

Botanical Gardens of Canada: a travellers guide



Wayne Scott Ray



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Botanical Gardens of Canada: a travellers guide

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Written and compiled by Wayne Scott Ray

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Alberta

CALGARY ZOO AND BOTANICAL GARDENS

St. Georges Island
POB 3036 Station B
Calgary Alberta T2M 4R8

Memorial Drive and 12th Street on St. Georges Island hosts a triple tourist attraction: the Calgary Zoo, Botanical Gardens and the Prehistoric Park. The Zoo contains over 1400 animals and the Prehistoric Park displays 27 life-size dinosaur models in a natural environmental setting. There is an entrance fee.

The Botanical Garden made up of North American shrubs and grasses enhance the Birds of Prey exhibit, while worldwide species of plants enhance the Butterfly Garden. A portion of the garden has been transformed into the Prehistoric park and plants such as horse-tails and ferns abound. The park uses alternative ground covers such as Strawberries and juniper, thus avoiding the common grasses.

Inside the Conservatory, rainforest and arid plants are featured. The Palm Garden is the largest of the indoor gardens. The humid, jungle dense foliage of the Orchid Garden with its pockets of color, give the feel and look of the rainforest. The Calgary Botanical Garden is designed to be educational, scenic and restful.

DEVONIAN BOTANICAL GARDEN

University of Alberta
Edmonton Alberta T6G 1F1

The University of Alberta Botanical Garden was founded in 1959 on 80 acres of land donated by the University Alumnus. In 1976 a further 110 acres were added to the 12,000 year old sand dune shore line of pre-glacial Lake Edmonton where the gardens are today and the name was changed to the Devonian Botanical Garden.

The main features of the garden include a large alpine garden, a herb garden and collections of Iris, Peony, Juniperus, and Betula. Included in the gardens is a Native Peoples of Alberta Garden, a Japanese Garden, Childrens Garden and a Garden for the Handicapped.

The Friends of the Devonian Botanical Garden was founded in 1971 as a fund raising group to support the aims and objectives of the garden. Because of its affiliation with the University it has an extensive herbarium and maintains a Members Seed List and produces various horticulturally related publications.

DEMONSTRATION GARDEN

28th Street and 7th Ave. South
Lethbridge Alberta

The Demonstration Garden is a 1.5 acre garden established to show a broad spectrum of hearty plant species indigenous to Southern Alberta and suitable for the home landscape.

THE MUTTART CONSERVATORY

98 Ave and 96A Street
Edmonton Alberta

The Muttart Conservatory is located on the south bank of the North Saskatchewan River (at 98th Avenue and 96A Street), just opposite the downtown area. Completed in March 1976 the conservatory brings together an unusual collection of plants and a range of climatic conditions for their growth far more diverse than Edmonton has to offer.

A million-dollar donation from the Gladys and Merrill Muttart Foundation provided

momentum for the conservatory's construction, with the remaining monies supplied by the Province of Alberta and the City of Edmonton. The conservatory is staffed and operated by the Edmonton Parks and Recreation Department.

The conservatory's unusual structure, designed by architect Peter Hemingway is composed of four glassed pyramids built around a central service core. The two larger pyramids are 660 square meters in area, and the two medium-sized ones are 410 square meters in size. Three of the pyramids are devoted to displays of plants from the tropical, temperate, and arid regions respectively, the fourth being used for shows that change with the seasons and which feature massed displays of ornamental flowering plants.

The Temperate Pavilion houses plants typical of temperate climates, from such zones as the southern Great Lakes, Australia, and even the mountainous areas of Asia. Near the entrance and fed by a stream is a bog area, with white water lilies and parrot's feather. The bog merges into a woodland with mostly eastern deciduous trees and low shrubs but including redwoods, cedars and pampas grass. Eucalyptus trees and flowering shrubs complement the Australian section. In the woodland floor and alpine section are many tiny flowering plants, some native to Alberta and others from all over the world.

The barren, rocky slopes of the Arid Pavilion offer stark contrast to the other houses.

The Tropical Pavilion provides an enormous diversity of species; under a canopy of tall palms, banana and weeping fig are orchids, various hibiscus and the bird of paradise, to mention a few. In a smaller pyramid, the Show Pavilion offers seasonal displays. Arriving with summer are geraniums, begonias, roses, and others.

The Muttart Conservatory offers a Horticultural Extension Service, allowing the general public to receive expert help in the diagnoses of the ills of their plants, both indoors and out. The conservatory also teaches courses on the care of plants. The conservatory gift shop offers a wide variety of ornamental plants. Admission to the conservatory is free to the public.

NIKKA YUKO GARDEN

Lethbridge District

Japanese Garden Society

Box 751 Lethbridge, Alberta T1J 3Z6

Located in Henderson Park near the heart of Lethbridge, Alberta, within easy reach from any point in the city, the Nikka Yuko (Japan-Canada Friendship) Garden is an artist's interpretation of the perfection of nature.

From a country endowed with some of the most beautiful natural scenery in the world, the Japanese people have developed an innate sense of appreciation for nature in all its forms. The Nikka Yuko Garden was built with the skills of Japan's designers to capture this deeply rooted sense which finds expression in this most unique form of the gardening art.

The Garden basically displays a Japanese landscape concept. A considerable range of hardy woody plant material is used in the landscape. Emphasis is on the meandering line and irregular curve as found in nature. This is demonstrated in the Dry Garden, Mountain and Waterfall Streams, Ponds and Islands, and Flat or Prairie Gardens.

Water, or its simulated form in sand, is the central feature of the Nikka Yuko, as in all Japanese landscape gardens. Trees are primarily conifers and may be trained to graceful lines. Stones and rocks are used liberally, either in representation of their natural form, or symbolically to suggest other aspects of a setting such as mountains, waterfalls or islands set in seas or oceans.

Nikka Yuko is a Japanese garden designed to appeal to the heart as well as the eye. It is a haven for those who wish to shut out the cares of the busy day. The City of Lethbridge does not maintain an herbarium or seed exchange, though they do collect seeds for some provincial operations. Some hardy plant testing and a small collection are at the Canadian Government Research Station in Lethbridge, and some plant testing takes place at the Provincial Horticultural Research Station at Brooks, Alberta.

Alberta Horticultural
Research Center
Route 1
Brooks Alberta

Calgary Zoological Gardens
St. Georges Island
POB 3036 Station B
Calgary Alberta T2M 4R8

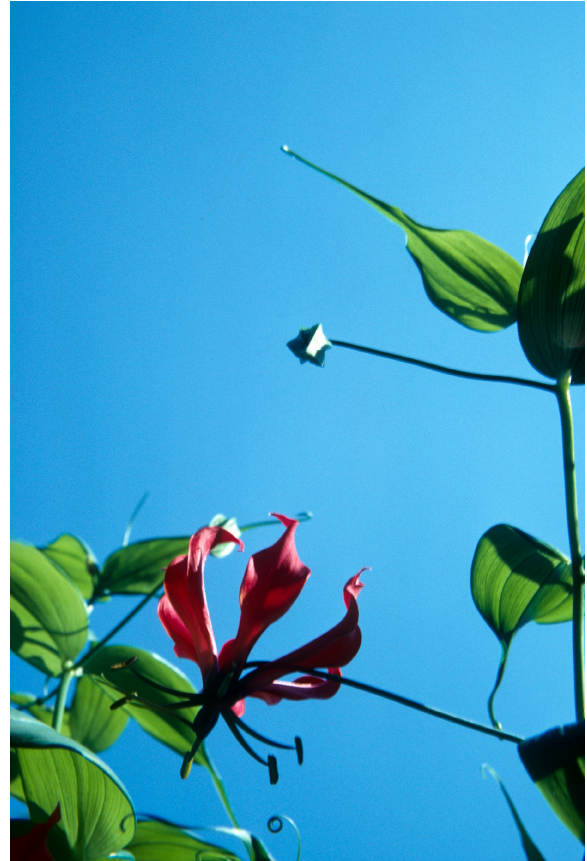
Demonstration Garden
28th Street and 7th Ave. South
Lethbridge Alberta

Devonian Botanical Gardens
University of Alberta
Edmonton Alberta T6G 1F1
Established 1959

Nikka Yuko Centennial Garden
POB 751
Lethbridge Alberta T1J 3Z6
Muttart Conservatory
POB 2359
98 Avenue and 96A Street
Edmonton Alberta

Swimming Point Botanical Garden
Swimming Point Reindeer Corral
Richards Island Alberta
Established 1975
Native Arctic Plants
Worlds most northern Botanical Garden

Alberta Horticultural
Research Center
Route 1
Brooks Alberta



British Columbia

THE BUTCHART GARDENS

The Butchart Gardens Ltd.
P.O. Box 4010 Station A
Victoria, B. C. V8X 3X4

At Tod Inlet, some 14 miles from Victoria, British Columbia, the Butchart Gardens grace more than 5 acres of a 130 acre estate and are the outstanding horticultural showplace of the Pacific Northwest. The Gardens were started by Mr. and Mrs. Robert Pim.

The Gardens, begun as a hobby in 1904 by the Butcharts, over the years have been constantly expanded and improved, and stand today as a colorful and varied horticultural treat. An enormous variety of plants, indigenous and non native alike, make their home at the Gardens, which visitors may view from several miles of paved pathways leading through and connecting each section. The Butchart Gardens are divided into four major sections; the Sunken Garden, Rose Garden, Japanese Garden, and Italian Garden. Some 50,000 tulip bulbs, for example, are imported each year from Holland. The pathway itself and transitions (such as the Rhododendron Grove) between sections are themselves visual landscaping delights, and everywhere, it seems,

are surprises in the form of water fountains, quaint bridges, impressive statuary, unique resting facilities and viewing venues, and panoramas of the surrounding land, with its hills covered by the native forest of cedar, spruce, pine and fir.

From the entrance the main path, framed by native dogwood, rambling roses, rose standards, numerous flowers and lawns, leads to an overview of the Sunken Garden, once the limestone quarry. Here, the pathway winds downward to the floor. A magnificent fountain rises seventy feet and highlights a lake at the southern reach of the Sunken Garden.

The Rose Garden is surrounded by dwarf boxwood hedges and a flagstone wall on one side, and on the other, by a long concrete walk with old-fashioned English perennial borders covered by rose arches. The rose beds contain many varieties of the Hybrid Tea Rose. Roses are planted extensively throughout The Butchart Gardens.

A Japanese Garden, features willows, Japanese azaleas, bamboos, dwarf rhododendrons and lace leaf maples. Winding pools and a cascading stream, a lacquered bridge, Japanese stone lanterns, small summerhouses, a teahouse in the centre of a pool, dwarf trees and shrubs, and Japanese iris emphasize the motif.

Woodland walks, lined with maidenhair fern and lily of the valley, lead through the trees and beyond the Star Pond to the Italian Garden, a formal arrangement focusing on a rectangular lily pond fed by a mermaid and fish fountain, bordered by flower beds and enclosed by Lawson cypress. Beds here are filled with flowers, and around the pool are weeping rose standards.

The Gardens offers a formal dining room (in the former main residence), a Greenhouse Restaurant, coffee bar and gift shop, rest rooms and ample parking for buses and cars. Seed packages are available in the gift shop. Night tours, incorporating the largest nighttime illumination project of its kind in North America, may also be taken.

The Butchart Gardens are open year round to visitors and there is an entry fee. The Gardens are located on the Saanich Peninsula on southern Vancouver Island, just off the route one normally must take to get to Victoria by ferry from Vancouver. Signs point the way.

MINTER GARDENS*

Bunker Road Line

Rosedale, B.C.

Contact: Brian Minter

Box 40 Chilliwack, B.C. V2P 6H7

Founded in December 1977 by Brian and Faye Minter, the 25- acre garden boasts thousands of species, all marked for visitors to read, in such floral displays as the Lake Garden, Rose Garden, Formal Garden, Alpine Garden, Rhododendron Garden, Fragrance Garden, Meadow Garden, Fern Garden, Arbor Garden, and Stream Garden. The Minter site is fully accessible to the handicapped, with a fragrance garden for the blind.

The climate normally would not support a rhododendron garden, but the protection offered by many huge cedar trees provides good winter shelter. Azaleas, dogwoods and magnolias add to the superb spring garden. The floral sculptures along with the winding Japanese cherry pathway leading to the rose garden, are subjects of thousands of photographs annually.

Situated on former farm sites, the Gardens were designed to take full advantage of every existing tree. Roads were placed in such a way that the original contours of the land were disturbed very little. The unique terrain of the original site allowed for the design and creation of the ten individual garden areas, which are still being improved each year. The site was originally without water streams, springs or ponds - but drilling more than 100 meters resulted in the discovery of an underground lake, the source of several streams, fountains, small ponds and a large waterwheel that now grace the landscape as an important part of the Gardens. A well-known figure in local gardening circles, Brian Minter capitalized on the expertise of authorities and specialists in various fields of landscape and gardening for his Gardens. His fascination with horticulture is unique and one that he looks forward to sharing with garden visitors.

Minter Gardens contain a Greenhouse Restaurant and a Garden and Gift Shop, and a monthly paper' is produced. Another attraction is found in a unique collection of Chinese rock sculptures, or Penjings, that are on display. Entertainment is provided every Sunday afternoon. There is a plant/seed herbarium, but no seed exchange program.

The Gardens are located at the junction of Provincial Highway 9 and the Trans-Canada Highway I, near Bridal Falls, 10 km from Harrison Hot Springs. There is a small cost of entry.

*Source: Minter Gardens, and Art Drysdale, horticultural editor, Canadian Garden News

THE PARK & TILFORD GARDENS

Address: 1200 Cotton Road

North Vancouver, B.C. V7J 1C1

The Park & Tilford Gardens, a three-acre complex situated in North Vancouver, British Columbia, stands out as a breathtaking attraction to residents and visitors alike.

The complex, established in 1969 as a community project of Canadian Park & Tilford Distilleries Ltd., consists of eight separate but interconnected areas. Each carries its own theme and is filled with flowers, fountains, waterfalls and aviaries. The Rose Garden, with a covered arbour and Florentine pergola, has more than 25 varieties of roses, ranging from delicate miniatures to showy floribunda. Nearby, the Herb Garden, the smallest area, contains plantings of medicinal and culinary herbs. A collection of tropical plants and flowers can be seen inside the Greenhouse, including a fascinating collection of bromeliads and succulents.

In warm weather a finch aviary among the blossoms complements the Flower Garden. The floral displays in 27 circular beds are changed frequently year-round. Nearby is a Bog Garden with day lilies, skunk cabbages, ornamental grasses and a six-foot leafed Gunnera plant.

Busts of famous botanists Douglas, Linnaeus, and Menzies - are displayed in the Colonnade Garden, a cool area of vines and vivid floral baskets. A larger aviary at the end of the colonnade is home for many colourful parrots, cockatoos, mynas and other tropical birds. Along the south bank, the Rhododendron Garden, sheltered by Douglas firs and dogwoods, provides a splendour of springtime colour. A classic moon gate leads to the Oriental Garden, a tranquil setting reminiscent of Japan. The authentic Japanese Tea House is a gift shop operated by the North Shore Association for the Physically Handicapped. The Native Wood Garden is devoted to trees and shrubs of British Columbia's coastal forests and interior semi-arid regions. A small Herb Garden is on display during summer months. There is a seed package, but not an exchange, program.

Many rare and exciting forms of plant life are present in these gardens and they are being constantly added to. As a service to visitors and their friends, the Park and Tilford Gardens have made available a selection of seeds comprising the more outstanding plant forms featured. These selections will vary from year to year as outstanding new hybrids and strains are proven.

The Park & Tilford Gardens' Review is published periodically to keep patrons up to date on events and informed with garden checklists, green thumb tips and more.

Visiting hours are from 8am to 11pm every day of the year, with admission and parking free. To reach the Gardens, from east or west on Highway No. 1, take the North Vancouver exit at the north end of the Second Narrows Bridge. Proceed one mile to the Gardens entrance. The Gardens are accessible to wheelchairs.

THE BLOEDEL FLORAL CONSERVATORY

Queen Elizabeth Park
2088 Beach Avenue
Vancouver B.C. V6G 1Z5

The Bloedel Floral Conservatory is a lush tropical experience representative of about 500 species and varieties of plants from deep jungle to desert clime -- all housed under a triodetic dome. Located in Vancouver in the middle of Queen Elizabeth Park, the conservatory features displays of favourite and unusual flowers offered year round, a collection of colourful fish, and numerous exotic tropical birds.

The conservatory is home to Bougainvilleas and Browallias, citrus and coffee trees, Eucalypti and epiphytes, Euphorbia and various figs, Gardenia and Hibiscus. Magnolia trees share space with delicate lilies, yucca with pteris (ferns).

Located 500 feet above sea level, the conservatory itself is 140 feet in diameter, 70 feet high, and covers 15, square feet. The triodetic dome consists of 1,490 plexiglass bubbles and is illuminated at night.

The Bloedel Floral Conservatory is open seven days a week, and is closed only on Christmas day. Summertime hours are from 10 am to 9:30 pm; in winter, from 10 am to 8:00 pm. There is an admission charge.

UNIVERSITY OF B.C. BOTANICAL GARDENS

2075 Westbrook Place
Vancouver B.C. V6T 1W5

This, the oldest university botanical garden was established at UBC in 1916 and is a major center for research and teaching. In addition to the Rose Garden and the Japanese Garden the campus boasts North America's largest collection of Rhododendrons in the Asian Garden. A typical pharmacy of the 16th and 17th Century is laid out in the Physick Garden. Tours are available and the gardens are wheelchair accessible. There is an admission fee.

VANDUSEN DISPLAY GARDEN

5251 Oak Street
Vancouver B.C. V6M 4H1

VanDusen Botanical Display Garden is located in the Shaughnessy district of Vancouver at the North West corner of 37th and Oak Street. The garden is open to the public every day of the year except Christmas. There are admission fees.

In 1970 the Vancouver Foundation, the Government of British Columbia and the city of Vancouver signed an agreement to develop a public garden on part of the old Shaughnessy Golf Course. On August 30th, 1975, the garden was officially opened. The garden covers an area of some 55 acres. An early decision not to partake in scientific research enabled the channelling of funds and energy into garden construction and released the staff from the responsibility of building research collections or a herbarium. However, there is a specialized reference library in the Administration Floral Hall Building.

The garden has several special attractions, including carved totem poles, large stone sculptures and a Korean Pavilion whose architecture is the focus for the Asian plant collection. Horticulturally, there is a large collection of Rhododendron hybrids, cultivars of *Fagus sylvatica* as well as collections of *Sorbus*, *Fraxinus* and *Magnolia*. There is a Heather garden and a major collection of *Ilex aquifolium* cultivars.

The garden is designed to be used by people of all ages and backgrounds. Many of the plant collections are labelled and arranged to demonstrate botanical relationships or geographical origins. There are guided tours, lectures and workshops available.

Bota Gardens
10800 #5 Road
Richmond British Columbia

Butchart Gardens
POB 4010 Station A
Victoria B.C. V8X 3X4
Established 1904 35 acres

Crown Forest Industries
Arboretum and Museum
Route 1
Ladysmith British Columbia

Harmac Arboretum
Route 1
Nanaimo British Columbia
Established 1956

Mintor Gardens
POB 40
Chilliwak B.C. V2P 6H7
Established 1977
1000 taxa on 25 acres

Park and Tilford Garden
1200 Cotton Road
North Vancouver B.C. V7J Lc1
Established 1969 3 acres

Queen Elizabeth Park
Bloedel Conservatory
2088 Beach Avenue
Vancouver B.C. V6G 1Z5
Established 1939,1969

University of B.C. Botanical Gardens
2075 Westbrook Place
Vancouver B.C. V6T 1W5
Established 1916 110 acres

VanDusen Display Garden
5251 Oak Street
Vancouver B.C.
5000 taxa on 55.5 acres

Woodland Gardens Arboretum
172nd Street
Surrey British Columbia

Summerland Research Station
Summerland B.C. VOH L2O
Established 1916
Hwy 97 North of Penticton
200 taxa

Woodland Gardens Arboretum
172nd Street
Surrey British Columbia



Manitoba

THE ENGLISH GARDEN AT ASSINIBOINE PARK

2355 Corydon Avenue
Winnipeg Manitoba R3P 0R5

Assiniboine Park is located west of the downtown core of Winnipeg, Manitoba, on Corydon Avenue west of Kenaston Boulevard on the south bank of the Assiniboine River. Today the park is one of Winnipeg's showpieces and, at 75 acres, is the largest public park in the city.

The English Garden, established between 1926 and 1927, is known throughout North America for its luxuriant display of thousands of annual and perennial flowers. The English Garden contains nearly three acres of flowers, shrubs and trees in the traditional English style. A large rose garden (with more than 400 bushes of Floribunda, Grandiflora and Rugosa varieties), broken into four sections, surrounds a central lily pond containing fish.

From the outset, the English Garden was designed to serve as a popular park attraction where local residents and tourists could obtain information about specialized floriculture in Manitoba. New plant varieties have been introduced annually.

Other prominent features of Assiniboine Park include the Pavilion which became a focus of early Winnipeg's social life. Destroyed by fire, it was rebuilt in Early English style and is today one of Winnipeg's most familiar landmarks. The highly regarded zoo, with about 90 acres, contains some 100 animal species. The Formal Garden, located at the southeast park entrance, is Winnipeg's largest and finest example of the French formal garden.

One of the earliest park features and a major indoor attraction is The Conservatory, which houses more than 8,000 flowers, plants and trees that are non native to Manitoba, but which grow profusely under the ideal conditions created in the Palm House and Display Garden. The original Palm House was erected in 1914, and in 1968 a fully modern structure was built over and around the Palm House, enclosing it. The Conservatory and English Garden are open free of charge to the public every day of the year.

Toward the north of the park, and just to one side of the pedestrian footbridge from Portage Avenue is the serpentine Duck Pond. The park also includes picnic areas, a playground, bicycle path, baseball and cricket fields and the Terry Fox Fitness Trail, dedicated to his memory and constructed for disabled and non-disabled individuals alike. Assiniboine Park is wheelchair-accessible.

MORDON RESEARCH STATION

POB 3001
Morden Manitoba R0G 1J0

In 1924 the arboretum was started by W.R. Leslie adding to the Agriculture Canada Research Station established in 1915. Since then the agriculture station has introduced dozens of new fruit, vegetable, field and ornamental crops. The Arboretum and its landscaped grounds and picnic facilities are open to the public daily during the summer months of May-September.

Assiniboine Park
2355 Corydon Avenue
Winnipeg Manitoba R3P 0R5
Established 1904
200 taxa on 375 acres

Manitoba Horticultural
Association Arboretum
Canadian Loop Road
Boissevain Manitoba

Morden Research Station
POB 3001
Morden Manitoba R0G 1J0
Established 1915
3500 taxa 5000 plants
Open May - September

Newfoundland

OXEN POND BOTANIC PARK
Memorial University
St. John's Newfoundland A1C 5S7

The Oxen Pond Botanic Park is located in the suburbs of St. John's along Mount Scio Road and was founded in 1972. The park has adopted the Twinflower (*Linnaea borealis*) as its emblem.

The headquarters Building is located on a three acre area along the highway. The Butterfly Garden is located here along with a rock garden, peat beds and an area of 'old Newfoundland' flowers. A system of trails is provided within the larger portion of the park, the Naturalistic Area. Small rough meadows have been created for meadow and roadside flowers and plants producing nectar have been developed to maintain the two species of Swallowtail butterflies and the three species of White's and Sulphur butterflies, five species of Woodnymphs, ten species of Brush footed butterflies, four Gossamer and two Skipper species are found within the park.

The park is being developed to provide a place where people of all ages and depths of interest can learn about the plants and natural environment of Newfoundland.

Nova Scotia

Annapolis Royal Historic Gardens
Annapolis Royal Nova Scotia
phone 902-532-5104

Nova Scotia Agricultural College
Bible Hill
Truro Nova Scotia

Ontario

DOMINION ARBORETUM
Ottawa Research Station
Ottawa Ontario KIA OC6

Originally begun in the nations capitol in 1886 on the East side of Highway 16 as an experimental farm with the intention of evaluating the hardiness of trees and shrubs, the Dominion Arboretum never developed along taxonomic lines. This has resulted in a more interesting display for the public as the flowering is not concentrated in any particular spot. The arboretum is open from dawn to dusk and the admission is free. The Dominion Arboretum maintains an extensive herbarium.

Although the climate of the area is Zone 5a, the Northeast corner has its own microclimate and is warmer by one Zone allowing for a collection of magnolia's, azaleas, Metasequoia, and several fringe trees. One of the favourite attractions for tourists is the Ornamental Garden. In this one area are located the annual plant display, perennial borders, lilac walks, roses and hedges. The hedge collection was planted between 1966 and 1968 and contains everything that is suitable for use as a hedge and is one of the most popular features of the arboretum.

HUMBER COLLEGE ARBORETUM
205 Humber College Blvd.
Rexdale Ontario M9W 5L7

The arboretum covers approximately 300 acres of the West Humber River Valley between Highway 27 and the 427 and is easily accessed from Humber College Blvd. It began as an idea in 1972 and came to fruition in 1977. Admission is free.

The Nature Orientation Centre is the focal point of the arboretum and is designed to meet the needs of schools, interest groups and individuals. Within the arboretum one can find woodlot and meadow gardens, native woody plant collections, ponds and more. The Summer Nature Club runs on a weekly basis during the summer and is geared towards children between the ages of 6-12.

LAUBER ARBORETUM
RR #1 Kakabeka Falls, Ontario POT 1W0

Located in Kakabeka Falls, Ontario, Lauber Arboretum has been developed privately by Mr. and Mrs. Bert Sitch. The arboretum includes many indigenous and twenty-odd species not indigenous to the area which the Sitches have collected in their travels. Lauber Arboretum does not have a seed exchange program, but it is the management's practice to exchange seed and plants with horticultural institutions in Ottawa, Guelph and the Morden, Manitoba, Research Station. There is ample acreage for expansion, with some 10,000 pine and spruce reforested.

NIAGARA COLLEGE ARBORETUM AND GREENHOUSE
Department of Horticulture
360 Niagara Street
St. Catharines Ontario L2M 4W1

This facility has moved to Niagara On The Lake. The Horticulture Center, Ivan Buchanan Hall on Niagara Street was the Horticulture Campus of Niagara College AAT and was established in 1986 on 5 acres. The Arboretum, consisted of over 100 species, demonstrated the culture and ornamental use of trees and shrubs being used in the landscape trade. The 5000+ sq. ft. greenhouse contained over 200 species of plants as a living library for the students in training at the campus.

UNIVERSITY OF GUELPH ARBORETUM
Guelph Ontario N1G 2W1

Situated between Stone Road and College Avenue near the main campus and enveloping 330 acres the University of Guelph Arboretum helps fill the gap between existing arboretum facilities of Central and Southwestern Ontario. Established in 1968, the arboretum's terrain ranges from rough meadow to cedar swamp; hardwood bush to rocky drumlins; farm field to orchard. The arboretum is a living library of woody plants, open to the public during daylight hours.

The OAC Centennial Arboretum Centre occupies a central location on the grounds and can accommodate groups of up to 200 easily. A reflecting pond at the main entrance provides a link between the angular lines of the building and the gentle curves of the arboretum terrain. Within walking distance of the Centre are collections of flowering trees, shrubs, lilacs and evergreens and is easily accessible and well frequented by horticulture and botany students from around the province. The arboretum produces many scientific papers for journals and maintains an herbarium and active seed exchange program.

UNIVERSITY OF TORONTO
ARBORETUM COMMITTEE SIMCOE HALL,
St- George Campus
Toronto Ontario

UNIVERSITY OF TORONTO PRESIDENTS ESTATE
93 Highland Avenue, Toronto, Ontario
Revised and published on Wikimedia Commons Fall 2014

The three and a half acre, 32 room, University of Toronto, President's estate is situated in Rosedale, Toronto. It overlooks a ravine that runs from Bayview Avenue to Mt. Pleasant Road and goes from Highland Avenue halfway down to the floor of the ravine. The upper lawn is bounded by mature *Quercus* and *Acer saccharum* on the north with a single mature specimen of *Acer saccharinum* and *Ailanthus altissima* next to the thirty two room estate house and a *Robinia pseudoacacia* on the Eastern edge of the half acre lawn.

A steep grassed slope flows south to the second terrace where the greenhouses, sheds and cold frames are located on the west side and a large gazebo situated beneath two large *Salix babalonica* which have since, blown down in a windstorm in the early 2000's. Beneath a stone step lies the remains of a family pet whose name (Billy, 1947) is inscribed upon the stone. From here the second slope; peppered with *Syringa vulgaris* and stumps of trees and shrubs long gone, flows onto the third terrace where several varieties of *Malus* grow, along with *Euonymus europaeus*, *Sorbus aucuparia* and *Robinia pseudoacacia*.

The greenhouses and grounds had been abandoned for six months except for some grass cutting by the University of Toronto Grounds Department in 1981 as the Estate Gardener had died that spring. It took the next Estate Gardener two weeks to get the two growing greenhouses and sheds up to working condition and it wasn't until September that the plants in the conservatory were transplanted, divided, cleaned and rejuvenated to the point where plant life was back to normal.

After the Fall season it was discovered that the lower of three tiers was in reality a half acre terraced rock garden with two large concrete ponds and a 300 foot artificial stream running to it from the east side of the upper lawn. The artificial stream leaves the one acre deciduous forest and enters the rock garden and reaches the ponds from a single hose. The forest is composed primarily of *Fagus sylvatica*, *Quercus rubra*, *Betula papyrifera*, *Acer rubrum* A. *saccharum*, *Ostrya* and, *Robinia pseudoacacia*. The half acre rock garden encompasses the entire lower western section of the estate covering three smaller slopes and two smaller terraces.

In the rock garden proper, including trees and shrubs, were found *Tradescantia virginiana*, *Achillea lanulosa*, *Pinus mugho*, *Viburnum trilobum*, *Acer palmatum*, *Hieracium canadense*, *Ulmus pumila*, *Spirea vanhoutii*, *Malus coronaria*, *Asparagus filicina*, *Robinia pseudoacacia*, *Pteris* spp., *Potentilla recta*, *Ranunculus acris*, *Taxus cuspidata* 'Hicksii', *Chelidonium majus* and *Muscari botrides*.

By 1982 many plants had germinated or been grown from cuttings and different species of plants. Only about 90 different species made it to adulthood from the greenhouse and cold frames. Nearly half of these new plants were being grown for the conservatory and the flowerbeds around the house. They included species of *Begonia*, *Fuchsia*, *Pilea*, *Euphorbia*, *Peperomia*, *Impatiens*, *Hosta* and other indoor plants. The flower beds on the second terrace that stretched from the work shed to the gazebo acted as trial beds for the wild flowers that had started earlier in 1983. The University Administration was not overly interested in returning the President's Estate to its earlier glory and especially not the rock garden as very few guests went to see it during university functions. Plants were allowed to grow wild. By the end of 1983 the following wild flowers were successfully introduced into the gardens; *Aguilgia brevistilla*, *Ranunculus abortivus*, *Lychnis chalcedonica*, *Saxifraga aizoides*, *Silene cotripacta*, *Sedum anacampseros*, *S. kamtschaticum*, *S. kamtschaticum oreo marginatum*, *Malva sylvestris*, *M. M. verticillata*, *Potentilla tridentata*, *P. intermedia*, *P. pentandra*, *Polemonium corveleum*, *Atriplex lentiformis*, *Agastace foenicleum*, *Campanula carpatica* and *Plantago lanceolata*.



FANSHAWE COLLEGE ARBORETUM

Pride Family Greenhouse

Published on Wikipedia 2011

The Arboretum was started in 1995 when London's St. Pauls Cathedral was looking for land within London to create a memorial garden of tree plantings in the names of Londoners who had passed away. They approached Fanshawe College after locating a large expanse of vacant land in the area. Subsequently after discussions concerning upkeep and possible vandalism, Fanshawe set aside an area now known as Woodland Gardens in 1995. An organized and accessioned arboretum was begun after this time and the Pride Greenhouse was added to the Landscape Program as well. Each contain over one thousand species of plants.

JAMES GARDENS

Metro Toronto Parks Department

Etobicoke from the Wikipedia.org article

For forty-seven years until it was purchased by Metro Toronto for \$150,000 in 1955, James Gardens was the estate of Mr. and Mrs. Fred T. James. In 1908 Mr. James purchased the property from his wife's parents, Mr. and Mrs. Thomas Rumney, as well as the adjoining land from the Home Smith Company. This purchase totalled 21 acres of hills, valleys, virgin forest and bush meadow land on the west side of the Humber River.

The James home is situated on the top west corner of the estate at Edgehill Road. It is a two story, red gabled stone house. The stones were taken from the Humber River, just below the house. The building is now occupied by the Toronto Hunters and Anglers Association and the Etobicoke Historical Society.

The horse stables were located below the house where the northwest stairs are now. Part of the original wall can still be seen. Various horseshoes, nails and coins have been found in the flower beds. The golf course across the river was also used as an emergency landing strip for Mr. James's son who was a pilot.

Metro Toronto Parks Department has taken over the James Estate since 1955. It is open to the public and consists of eight acres under Bent grass, with over twenty flower beds, specimen plantings, various rock gardens, nature trails, three large and four small ponds, a carp pool and a lawn bowling court.

For many years until 1975, James Gardens was supervised by Mr. Joseph Herschberg, who moved on to the position of Foreman at Edwards Gardens. He replaced Dick Maier who went over to supervise the activities at James Gardens in the late 70's and early 80's. Each year thousands of flowers and over 75,000 tulips are planted in the beds, whose designs and materials are changed each year in the rock gardens and under the well pruned trees and shrubs. Each year there are tens of thousands of visitors and hundreds of weddings and receptions held on the grounds of James Gardens. The CBC shot scenes here each summer for the program "This is the Law", with Paul Soles which aired in the 1970's. It has been said that the James Memorial Gardens in Etobicoke at Edenbridge Road and the Humber River is not surpassed anywhere in Canada for its natural beauty.



Allan Gardens
19 Horticultural Avenue
Toronto Ontario M5A 2P2

Brickman's Botanical Gardens
RR# 1
Sebringville Ontario N0K 1X0
2000 species

Centennial Botanical Conservatory
950 Memorial Avenue
Thunder Bay Ontario P7B 4A2

Dominion Arboretum
Ottawa Research Station
Ottawa Ontario K1A 0C6
Established 1886
2000 taxa

Great Lakes Forest
Research Center Arboretum
1219 Queen Street East
Sault Saint Marie Ontario
P6A 5M7

Humber College Arboretum
205 Humber College Blvd.
Rexdale Ontario M9W 5L7
250 taxa on 300 acres

Jacee Gardens
McKenzie Ross Park
Chatham Ontario

John W. Haggerty Arboretum
Lakehead University
School of Forestry
Thunder Bay Ontario P7B 5E1

Lauber Arboretum
RR 1
Kakabeka Falls Ontario
POT 1W0

Metro Toronto Parks Commission
Edwards Gardens
James Gardens
Toronto Botanical Gardens
Toronto Islands
439 University Avenue
Toronto Ontario

Niagara Parks Commission
POB 150
Niagara Falls Ontario
Established 1936
3000 acres

Royal Botanical Gardens
680 Plains Road West
Burlington Ontario L8N 3H8
Established 1930
6500 taxa on 2000 acres

Sifton Botanical Bog
Oxford Street West
London Ontario

University of Guelph Arboretum
Guelph Ontario N1G 2W1
Established 1968 330 acres

University of Toronto
Arboretum Committee Simcoe Hall,
St- George Campus
University of Toronto
Toronto Ontario

University of Toronto
Erindale College Conservatory
Mississauga Road North
Mississauga Ontario

Metro Toronto Zoo
POB 280
West Hill Ontario
Established 1973 750 acres

University of Western Ontario
Sherwood Fox Arboretum
Biology Geology Building
London Ontario
3836 trees and shrubs

Vineland Research Station
Vineland Ontario LOR 2E0

Quebec

LE JARDIN VAN DEN HENDE
Faculte d' Agriculture
Laval University
Ste Foy Quebec G1K

Located in an urban site at Laval University in Ste. Foy, Quebec, the six-hectare Le Jardin Van den Hende has some species of plants indigenous to Quebec and introduced from Europe, other parts of North America, and Asia. Central features of the garden include a large arboretum dominated by oaks, birches, firs, pines, poplars, willows, dogwoods, lindens and flowering crabapples an herb garden, lily garden, rose garden, and foundation beds, with many other plants placed in strategic sites. Greenhouses are adjacent to the herb garden and arboretum, and an information kiosk is conveniently located. The garden was founded in 1978 by Koger Van den Hende, professor of ornamental horticulture at Laval.

Le Jar-din Van den Hende is open seven days a week from May 1 to September from 9 a.m. to 8 p.m. Admission is free, and guided tours are available.

MONTREAL BOTANICAL GARDENS
4101 Est Rue Sherbrooke
Montreal Quebec H1X 2B2

One of the world's great gardens, the Montreal Botanical Garden was founded in 1931 by the internationally acclaimed botanist, Brother Marie-Victorin. The gardens contain some 10 greenhouses and 30 outdoor gardens and is open to the public for a small fee. The outdoor gardens include a Shade garden, a Rose garden, Heath garden, Perennials, Brook and Vegetable gardens, Tests gardens, Medicinal and Poisonous Plants gardens, the Arboretum, Childrens gardens, the Japanese garden, and more. The conservatories contain collections of orchids, begonias, gesneriads, bonsai and cactii. The Montreal Botanical Gardens carry out research testing, breeding, and taxonomic investigations and maintain a herbarium.

MONTREAL BOTANICAL GARDENS
MONT-ROYAL PARK

Mont-Royal park was established in 1872 and few cities in the world can boast of a downtown mountain with its own natural forest. The park is situated on 500 acres rising 763 feet above sea level providing an excellent view of the city. Popular attractions at the park are the Art Center, the Nature Museum and the main chalet.

MONTREAL BOTANICAL GARDENS
MAN AND HIS WORLD
Notre Dame Island

This 40 acre park was established in 1967 and is open all year round and its 12,000 rose bushes are a sight to see.

THE MORGAN ARBORETUM
Macdonald College P.O. Box 500
Ste Anne de Bellevue, Quebec H9X 1C0

The west end of Montreal Island, close to Macdonald College, is the site of the 600-acre Morgan Arboretum, one of the few projects in Canada designed to demonstrate and develop the wise use of private woodlands. Founded in 1952 by Dr. W.H. Brittain, then vice-principal of Macdonald College, and others, the arboretum collection itself contains some 150 species of woody plants. Two-thirds of the arboretum is in woodlands, where 45 tree species occur naturally, with the other third composed of planted evergreen and hardwood trees - altogether more than 1000 trees have been set out primarily as an arboretum to display each species' natural form and beauty.

Eighty acres have been developed into a living collection of the 170 trees native to Canada, this is the arboretum proper. Beside it stands another imaginative collection of trees of botanical and historical interest. The Canada Birch Trail is made up of single species of white birch obtained from each of the ten provinces and territories. The Centennial Trail, composed of the most representative and typical birch specimens collected by Dr. Brittain, enables visitors in effect to walk from coast to coast and province to province, as far as the birches are concerned.

The entire property is being used as people sanctuaries with woodland paths and open fields attractive to both humans and wildlife alike. A Botanical Trail assists this program with the ground flora and trees labelled so that do it yourself trips can be taken by visitors.

Besides development of the arboretum and introduction of non native species, the Morgan Arboretum Association, administrator of the property, has also established a natural resources research branch, begun in 1965, focusing on ecological studies. One aspect of ecological research involves literally fingerprinting all resident woodland creatures by means of an ingenious sand track that records the prints of everything that crosses it, from the smallest insects to snakes, squirrels, skunks and raccoons, to the larger mammals, as well as birds. Information thus obtained records the animals' day and night activities, their reaction to temperature and weather cycles, and their spatial and directional movements, providing valuable clues to an animal's ecological requirements and a useful device to teach school and other groups the importance of protecting our wildlife heritage.

Another branch of the arboretum's program is educational, with the purpose of teaching the wise use of natural resources and training university students in the important principles of forestry, wildlife and resources conservation. The arboretum is the outdoor laboratory for this work.

In addition to the educational and research work going on, the Morgan Arboretum and its programs graphically illustrate the principle of multiple land use in action. Groups of native and exotic trees, the botanical trail, the bird sanctuary, many miles of wooded trails, soil and water conservation projects, woodland improvement, such as tree planting, pruning, timber harvesting, maple sugar production, and related forestry and wildlife activities, are available for study by interested visitors.

Special outings for members of the Morgan Arboretum Association are held annually. Special events of forestry and wildlife interest also take place during the year, including lectures on conservation and frequent mailings of conservation literature.

An herbarium is housed at Macdonald College nearby. No formal seed exchange program has been set up yet. Articles are published occasionally in a variety of journals and on a variety of subjects. To visit the Morgan Arboretum, take exit 41 from the Trans-Canada Highway).

Belle Terre Botanic Garden
Otter Lake Quebec

Jardin de Metis
cp 242
Mont-Joli Quebec G5H 3L1

Jardin Van Den Hende
Faculte d' Agriculture
Laval University
Ste Foy Quebec G1K 7P4
2000 species Established 1978

Montreal Botanical Gardens
4101 est Rue Sherbrooke
Montreal Quebec H1X 2B2
20,000 plants on 180 acres
Established 1931

Montreal Botanical Gardens
Mont-Royal Park
500 acres Established 1872

Montreal Botanical Gardens
Man and His World
Notre Dame Island
40 acres Established 1967

Morgan Arboretum
POB 500 MacDonald College
Ste Anne de Bellevue Quebec
H9X 2B2
600 acres Established 1952

Saskatchewan

PFRA SHELTERBELT CENTRE
Indian Head Saskatchewan S0G 2K0

The PFRA (Prairie Farm Rehabilitation Administration) tree nursery is a federal shelterbelt center with a mandate to grow and distribute hardy tree and shrub seedlings for the purpose of conservation, snow control, and wildlife habitats. The arboretum is a small part of the center and is used for demonstration purposes. The arboretum was established in 1942 and is used primarily by school and university grounds. Since its first distribution of some 900,000 trees in 1917, the PFRA now distributes approximately 6 million trees per year.

PFRA Tree Nursery
Indian Head Saskatchewan S0G 2K0
200 taxa
Established (Ross Arboretum) 1942

University of Saskatchewan Gardens
Saskatoon Saskatchewan

Wascana Center Authority
3475 Albert Street
POB 7111
Regina Saskatchewan S4P 3S7



Windfield Herbarium Horticultural Photographic Collection.

Images of botanical plants, seeds and flowers uploaded to Wikimedia Commons, the photographic repository of Wikipedia.org Most of the following list is online at <http://commons.wikimedia.org/> and listed on the Royal Botanical Gardens Wiki page:

Seed Collections from Agriculture Canada 1911, Prof. White & Prof. E.J. Zavitz et al.: (*M. Erickson 1911; J.H.M. 1913; M. Ardene 1953; H.R.G. 1914; Prof. Dwight 1955; W.L. Jackson 1904; C. Underwood 1911; H.R. Christie 1911; Rev. C. Goodison 1927; George Simpson 1938; N.M. Lewis 1914; W.J. mound 1937; Mr. MacGregor 1923; L.S. Smith; Tamsalu 1956; J. Quaite; W.R. MacToon 1913; F. & I. Vrugtman 1969*) University of Toronto Forestry Department circa early to mid 1900's; University of Toronto Seed Exchange via E.P Taylor Windfields Estate greenhouse 1974-1978, various Canadian Botanical Gardens, private collections and seed collecting and botanical photography done by Wayne Ray from 1970-1992. Also: Karl Wimmi; John Riley et al.

Abies amabilis
Abies balsamea
Abies firma
Abies fraseri
Abies grandis
Abies homolepis brachyphylla
Abies lasiocarpa
Abies nobilis
Abies pinsapo
Abies sachalineus
Abies shastensis
Abies venusta
Acer campestre
Acer circinatum
Acer macrophyllum
Acer maximow
Acer negundo ashleaf maple
Acer pensylvanicum
Acer pseudoplatanus
Acer rubrum
Acer saccharinum
Aesculus carnea briotii
Acer saccharum rugelii
Acer spicatum
Acanthopanax sessiliflorus
Aconitum sp.
Aconitum lycoctomum
Aconitum napellus
Aconitum pyramidale
Aconitum septentrionale
Aconitum vulparia

Aquilegia atrata
Aquilegia chrysantha
Aquilegia flabellata
Aquilegia vulgaris
Actea pachypoda
Actea pachypoda rubricarpa
Actaea rubea
Adenophora lilifolia
Adiantum pedatum
Aesculus octandra
Aesculus parviflora
Aesculus pavia
Agathis australis
Agathis australis titrangi
Agathis robusta
Agastache foeniculum
Ageratum houstonianum
Agrimonia gryposepala
Agrimonia striata
Ailanthus altissima
Alisma gramineum
Alisma triviale
Alyssum condensatum
Alyssum markgraffi
Alyssum montanum
Alyssum oriental night
Alyssum wulfenianum
Alliaria officinalis
Allium angulosum
Allium cerum
Allium pulchellum
Alloplectus ambiguus
Alloplectus capitatus
Alloplectus speciosus
Alnus crispa
Alnus crispa var. molis
Alnus hirsuta-tinctoria
Alnus incana
Alnus rubra
Alnus rugosa
Alyssum carpet of snow
Amaranthus tricolor
Amelanchier laevis
Amelanchier sanguinea
Amorpha fruticosa
Ampelopsis heterophylla
Amphicarpa bracteata
Amsonia tabernaemontana
Anemone virginiana
Angelica atropurpurea
Annuum sp. early niagara giant pepper
Antennaria alpina
Antennaria canadensis
Antennaria neodioica

Antennaria petaloidea
Antirrhinum sp. pinnacle mix
Apium graveolens var. dulce
Aquilegia brevistyla
Aquilegia alpina
Aquilegia atrata
Aquilegia brevistyla
Aquilegia caevula
Aquilegia chrysantha
Aquilegia einseleana
Aquilegia flabellata
Aquilegia flabellara var. pumila
Aqueligia formosa
Aqueligia hybrida
Aqueligia longissima
Aqueligia nevadensis
Aquelegia vulgaris
Aralia hispida
Aralia racemosa
Araucaria excelsa
Arctostaphylos columbiana
Arctostaphylos uva-ursi
Armeria juncea
Armeria pseudoarmerea
Artemisia absinthium
Aruncus diocus
Asarum canadensis
Asclepias sp.
Asclepias curassavica
Asclepias incarnata
Asparagus sprangeri
Asperula odorata
Aster sp choice mix
Aster accuminatus
Aster brachyactis
Aster cordifolius
Aster divericatus
Aster laevis
Aster lateriflorus
Aster linariifolius
Aster linariflorus
Aster nemoralis
Aster novae-angliae
Aster patens
Aster patens v. phlogifolius
Aster pinnochio
Aster prenanthoides
Aster puniceus
Aster simplex
Aster simplex ramusissimus
Aster spectabilis
Aster tradescanti
Aster umbellatus
Astralagus canadensis

Athrotaxis cupressiodes
Athrotaxis laxifolia
Athyrium felix-femina
Athyrium goeringianum
Atriplex linariifolius
Atriplex patula hastata
Athyrium felix-femina cristata
Araucaria imbricata
Avonia melanocarpa
Baptisia australis
Baptisia tintoria
Begonia sp.
Begonia pink comet
Berberis green
Bergenia pacifica
Bergenia purpusascens
Bergenia stracheyi
Beta vulgaris var. florescens
Beta vulgaris gold tankard bet
Beta vulgaris crimson globe beet
Betula alleghaniensis
Betula caerulea
Betula lutea
Betula occidentalis
Betula papyrifera
Betula papyrifera var. resinifera
Betula populifolia
Bidens frondosa
Boehmeria cylindrica
Brachychiton acerifolium
Brassica oleracea
Brassica oleracea Brussel sprouts
Brassica oleracea early
Jersey Wakefield cabbage
Brassica oleracea Cabbaga all head early
Brassica oleracea jadecross brussel sprouts
Brassica oleracea marvel cabbage
Brassica rapa
Brassica rapa sweet turnip
Briza elatior
Briza minor
Bromus sp.
Butomus umbellatus
Calamagrostis canadensis
Calamovilfa longifolia
Calceolaria sp.
Calendula ball mix
Calla palustris
Caltha palustris
Camassia scilloides
Campanula carpatica alba
Campanula carpatica turbinata
Campanula cochlearifolia
Campanula elatines v. gorganica

Campanula fragilis
Campanula kemulariae
Campanula rapunculoides
Campanula rotundifolia
Campanula sarmatica
Campanula thessala
Campsis radicans
Canna warszewiczii
Capsicum annuum long pepper
Caragana gerardiana
Carex sp.
Carex crinata
Carex debilis var. rudgei
Carex grayii
Carex hormatodes
Carex houghtonii
Carex intumescens
Carex lasiocarpa var. americana
Carex lurida
Carex oligosperma
Carex paleacea
Carex pauciflora
Carex paupercula
Carex plantaginea
Carex projecta
Carex retrorsa
Carex rostrata
Carex scoparia
Carex trisperma
Carex wizaandii
Carya sp.
Carya cordiformis
Carya glabra
Carya lacinosa
Castanospermum australe black wax bean
Casuarina stricta
Catalpa speciosa
Caulophyllum thalictroides
Cedrus sp.
Cedrus atlantica
Cedrus brevifolia
Cedrus deodara
Ceiba casaeria
EP Taylor estate Bahamas 1975
Celastrus scandens
Celosia cristata
Centaurea bella
Centaurea cyanus
Centaurea dealbata
Centaurea jacea
Centaurea kernerana
Centaurea macrocephala
Centaurea nigra
Centaurea nigriceps

Centaurea scabiosa
Centaurea sibirica
Centaurea pseudophrygia
Centaurea pulcherrima
Centaurea rupestris
Cephalanthus occidentalis
Cephalotaxus harringtonia
Cephalotaxus fortunei
Cercis canadensis
Cercocarpus montanus
Chamaecyparis nootkatensis
Chamaecyparis lawsoniana
Chamaecyparis thyoides
Cheiranthus sp.
Chelone glabra
Chelone lyonii
Chenopodium ambrosioides
Chimaphila umbellato
Chrysanthemum coronarium
Chrysanthemum ptarmicifolium
Chrysopsis mariana
Cichorium endivia
Cicuta bulbiflora
Cicuta maculata
Cimifuga racemosa
Cirsium vulgare
Clematis stans
Clematis viorna
Clematis virginiana
Cleome hasslerana
Clethra alnifolia
Coffea arabica
Coleus saber mixed
Columnea querceti
Columnea sanguinea
Columnea erythrophaea
Comandra livida
Consolida ambigua
Conza canadensis
Cornus sp.
Cornus amomum
Cornus florida
Cornus foemina racemosa
Cornus racemosa
Cornus florida
Corydalis lutea
Cosmos sp.
Cotoneaster affinis
Cotoneaster frigidus
Cotoneaster glaucophyllus metophyllus
Crataegus altaica
Cryptogramma stelleri
Cryptomeria japonica
Cucumis anguria

Cucumis sativis muncher burpless	Diplazium pycnocarpon
Cucurbita maxima hubbard squash	Disporum lanuginosum
Cucurbita pepo round globe gourd	Draba verna
Cunninghamia lanceolata	Dracocephalum ruyschiana
Cupressus macrocarpa	Dracocephalum grandiflorum
Cupressus lusitanica	Dracocephalum tanguticum
Cupressus macrocarpa	Drosera filiformis
Cupressus sempervirens	Dryopteris austriaca spinulosa
Cupressus arizonica	Dryopteris felix-mas
Cuscuta gronovii	Dryopteris cristata
Cyperus rivularis	Dryopteris austriaca
Cystopteris bulbifera	Dryopteris cristata clintoniana
Cystopteris bulbifera crispum	Dryopteris goldiana
Dactylorhiza elata ssp. sesquipedalis	Dryopteris marginalis
Dahlia sp. border jewels	Echinocactus grusonii
Dahlia sp. early bird	Echinocystis lobata
Dahlia sp. exhibition dwarf	Echinochloa crus-galli var Oryzicola
Dahlia sp. univius dwarf	Echinochloa muricata
Datura ceratocaula	Echium vulgare
Datura metel	Edraianthus dalmaticus
Datura stramonium	Edraianthus tenuifolius
Daucus carota var. sativus	Edraianthus serbica
Dennstaedta punctilobula	Eichornia crassipes
Desmodium canadense	Elaeagnus umbellata
Desmodium glutinosum	Eleocharis obtusa
Dioscorea bulbifera domestica	Eleocharis quinqueflora
Dioscorea persimilis	Eleocharis smalii
Dioscorea reticulata	Elymus canadensis
Drosera capensis	Empetrum nigrum
Drosera rotundifolia	Epilobium angustifolium
Drosera spathulata	Epilobium coloratum
Dianthus sp.	Epilobium hirsutum
Dianthus sp. baby doll	Epilobium glandulosum
Dianthus chinensis v. amurensis	Epilobium latifolium
Dianthus cyri	Epilobium strictum
Dianthus deltoides	Erica lusitanica
Dianthus furcatus	Erigeron ursinus
Dianthus gallicus	Eriophorum chamissonis
Dianthus graniticus	Eriophorum gracile
Dianthus knappi	Eriophorum virginicum
Dianthus lumnizeri	Euonymus oxyphylla
Dianthus monspessulanus	Eupatorium maculatum
Dianthus nardiformis	Euphorbia characias
Dianthus nordiformis	Euphorbia characias ssp. wulfenii
Dianthus myrtinervius	Euphorbia cyparissus
Dianthus pavonius	Euphorbia lathyris
Dianthus seguieri	Euphorbia marginata
Dianthus viscidus	Euphorbia palustris
Dicentra eximia	Euphorbia platphyllus
Dicentra eximia var. alba	Euphrasia canadensis
Digitalis lutea	Euphorbia supina
Dioscorea praehensislis ?sp	Exacum tiddly winks
Diospyros virginiana	Fagus grandiflora
Diplazium acrostichoides	Fibigia clypeata

Filipendula rubra
 Fragaria vesca var. americana
 Fragaria virginiana
 Fraxinus pennsylvanica
 Fraxinus americana
 Fraxinus excelsior
 Fraxinus nigra
 Gaillardia hybrida
 Gentiana alba
 Gentiana andrewsii
 Gentiana asclepiadea
 Gentiana burseri
 Gentiana crinata
 Gentiana cruciata
 Gentiana cruciata ssp. phlogifolia
 Gentiana dahurica
 Gentiana dendrologi
 Gentiana fetisowii
 Gentiana linearis
 Gentiana lutea
 Geranium maculatum
 Gentiana mutaiensis
 Gentiana procera
 Geranium robertianum
 Gentiana septemfida
 Gentiana septemfida latifolia
 Gentiana tianschanica
 Gentiana triflora var. japonica
 Gentiana wutaiensis
 Globularia meridionalis
 Gerardia pauperula
 Geum allepicum
 Geum triflorum
 Glabra sp.
 Globularia cordifolia
 Glycine max Manchurian soy bean
 Gossypium arboreum
 Gratiola neglecta
 Gymnocladus dioicus
 Hamamelis intermedia
 Hamamelis japonica
 Hebe odora
 Hebe salicifolia
 Hepatica acutiloba
 Heracleum maximum
 Heracleum mantegazzianum
 Heuchera americana
 Hibiscus moscheutos
 Hibiscus militaris
 Hieracium scabrum
 Hierochloa odorata
 Holodiscus discolor
 Houstonia purpurea
 Hydrangea arborescens
 Hypericum olympicum

Hyssopus officinalis
 Hystrix patula
 Iberis sp.
 Ilex aquifolium
 Ilex glabra
 Ilex opaca
 Ilex verticillata
 Iris chrysographes
 Iris delavayi
 Iris dichotoma
 Iris douglasiana
 Iris ensata var. spontanea
 Iris foetidissima
 Iris hookeri
 Iris laevigata
 Iris pseudacorus
 Iris sanguinea
 Iris setosa
 Iris setosa var. canadensis
 Iris sikkimensis
 Iris versicolor murrayana
 Isatis tinctoria
 Juglans regia
 Juglans sieboldiana
 Juniperus horizontalis
 Juniperus osteosperma
 Juniperus occidentalis
 Juniperus rigida
 Juniperus scopulorum
 Juniperus virginiana
 Juncus alpinus
 Juncus bufonius
 Juncus brevicaudatus
 Juncus canadensis
 Juncus effusus var. decipiens
 Juncus filiformis
 Juncus nodosus
 Juncus tenuis
 Kalanchoe petitiiana
 Kalanchoe rosei
 Kalmia augustifolia
 Kalmia polifolia
 Laburnum alpinum
 Laburnum anagyrioides
 Lactuca sp. butter crunch lettuce
 Lactuca scariola
 Lactuca sativa early great lakes lettuce
 Lactuca sativa grand rapids lettuce
 Lactuca tatarica pulchjella
 Laportea moroides
 Lappula myosotis
 Larix gmelina oldensis
 Larix larcina
 Larix japonica
 Larix kaempferi

Larix laricina
Larix leptolepis
Lathyrus japonicus glaber
Lathyrus japonicus ssp. maritimus
Lathyrus latifolius
Lathyrus niger
Lathyrus nissolia
Lathyrus pratensis
Lathyrus sylvestris
Lathyrus vernus
Lavatera arborea
Lavatera trimestris
Luzula multiflora
Leonurus cardiaca
Lepidium sativum
Lepidium sp. common pepper grass
Leucothea racemosa
Liatris aspera
Liatris punctata
Liatris pycnostachya
Liatris regiomontis
Liatris spicata albiflora
Liatris pycnostachya alba
Ligularia dentata
Ligularia glauca
Ligularia sibirica
Ligularia speciosa
Ligularia wilsoniana
Linaria vulgaris
Liquidamber styraciflua
Lilium davidii willmottiae
Lilium michiginense
Lilium superbum
Lindera benzoin
Linum alpinum
Linum perenne lewisii
Linum rigidum
Linum usitatissimum
Liriodendron tulipifera
Lithospermum niderale
Lobelia blue butterfly
Lobelia cardinalis
Lobelia cardinalis alba
Lobelia cardinalis var. graminifolius
Lobelia heavenly
Lobelia siphilitica
Lobelia siphilitica f. albiflora
Lobelia syphilitica alba
Lobularia maritima sweet allysum
Lobularia maritima royal carpet
Lolium sp.
Lonicera doioca
Lonicera korolkowii zabelii
Lonicera sempervirens

Lonicera tatarica
Lotus scoparius deudroideus
Lupinus albifrons var. collinus
Lupinus arboreus
Lupinus arctiaais
Lupinus densiflorus aureus
Lupinus nanus
Lupinus nootkatensis
Lupinus polyphyllus
Luzula multiflora
Luzula nivea
Luzula wahlenbergii
Lychnis alpina rosea
Lychnis arkwrightii
Lychnis atropurpurea
Lychnis chalcidonica
Lychnis chalcidonica rosea
Lychnis coronaria
Lychnis flos-cuculi
Lychnis flos-jovis
Lychnis preslii
Lychnis viscaria
Lychnis yunnanensis
Lycopersicon esculentum Tomato sugar
Lycopersicon esculentum Tomato starfire
Lycopersicon lycopersicon early girl
tomatoe
Lycopodium annotinum
Lycopodium clavatum
Lycopodium inundatum
Lycopodium flabelliforme
Lycopodium lucidulum
Lycopodium obscurum
Lycopersicon pimpinellifolium
Lycopodium sabinaefolium
Lycopodium tristachyum
Lygodium palmatum
Lyonia mariana
Madia sativa
Magnolia acuminate
Magnolia virginiana
Malus sylvestris
Malva alcea
Malva moschata
Malva neglecta
Malva sylvestris
Matricaria capensis
Matteuccia pensylvanica
Medicago sativa turkish alfalfa
Melampyrum lineare
Menziesia pilosa
Mimulus ringens
Mirabilis jalapa
Monochloria hastata

Monarda punctata
Morrubium vulgare
Myrica pensylvanica
Myrrhis odrata
Nepeta cataria
Nepeta pannonica
Nepeta tuberosa
Nicotiana sp. dwarf
Nicotiana rustica
Nyssa sylvatica
Oenothera bienis
Oenothera odorata
Oenothera pallida
Omphalodes linifolia
Oncoclea sensibilis
Oncoclea sensibilis sensitive fern
Oryzopsis hymeniodes
Osmunda cinnamomea
Osmundia claytoniana
Osmunda regalis spectabilis
Ostrya virginiana
Palargonium on standard
Palargonium hortorum
Palargonium Queen Mother pink
Palargonium happy thoughts
Panax quinquefolius
Papaver alpinum
Papaver kluense
Papaver miyabeanum
Papaver nudicaule
Papaver orientale
Parnassia kotzebuei John Riley arctic flora
Parthenocissus quinquefolia
Paulownia imperialis
Paulownia tomentosa
Penstemon digitalis
Penstemon hirsutus
Penstemon hirsutus pygmeus
Penstemon laevigatus
Penstemon nitidus
Penstemon procarus
Penstemon rydbergii
Penstemon serrulatus
Penthorum sedoides
Penstemon pseudospectabilis Karl Wimmi
 desert beards tongue scrophulariaceae
Peperomia magnifolia
Peperomia obtusifolia
Peperomia obtusifolia variegata
Peperomia viridis
Peperomia trinervis
Peperomia glabella variegata
Petroselinum crispum
Phacelia campanularia

Phacelia heterophylla
Phaseolus aureus
Phaseolus lunatus japanese short cranberry bean
Phaseolus lunatus Japanese large butter bean
Phaseolus lunatus Japanese round cranberry bean
Phaseolus lunatus Japanese medium butter bean
Phaseolus lunatus Japanese red bean
Phaseolus lunatus Mary bean
Phaseolus mungo
Phaseolus vulgaris white kidney bean
Phaseolus vulgaris white pea bean
Phaseolus vulgaris Refugee bean
Phaseolus vulgaris California pink bean
Phaseolus vulgaris California blackeye bean
Phaseolus vulgaris California cranberry bean
Phaseolus vulgaris California small white bean
Phaseolus vulgaris California white bean
Phaseolus vulgaris Detroit wax bean
Phaseolus vulgaris flageolet bean
Phaseolus vulgaris French kidney bean
Phaseolus vulgaris golden wax bean
Phaseolus vulgaris Japanese speckled banjo bean
Phaseolus vulgaris Mexican wax bean
Phaseolus rattlesnake pole bean
Phalaenopsis amabilis
Philodendron pertusum in flower
Physocarpus racemosus John Narrowway
Physocarpus monogynus John Narrowway
Phellodendron amurens
Phellodendron chinense
Phellodendron lavalleyi
Phellodendron sachalinense
Phleum pratense
Physalis pruinosa
Phyllitis scolopendrium
Phleum sp.
Phlomis alpina
Photinia villosa
Phyteuma michelii
Phyteuma nigrum
Phyteuma sieberi
Phytolacca americana
Picea abies
Picea abies-excelsa
Picea alouquiana bicolor
Picea brewerana
Picea canadensis
Picea engelmanni
Picea glauca

Picea maria	Pinus nigra
Picea mariana	Pinus nigra
Picea obovata	Pinus nigra v. poiretiana
Picea omorika	Pinus occidentalis
Picea orientalis	Pinus palustris
Picea pungens	Pinus peuce
Picea rubens	Pinus pinaster
Picea spinulosa	Pinus pinea
Picea sitchensis	Pinus ponderosa
Picea abies John Narroway	Pinus pratensis
Picea sp. & Spruce budworm	Pinus pumila
Picea pungens	Pinus pungens
Pimenta dioica all spice	Pinus radiata
Pinguicula vulgaris / equisetum arvense /	Pinus resinosa
Scorpidium scorpiodes	Pinus rigida
John Riley artic flora	Pinus roxburghii
Pinguicula vilosa John Riley artic flora	Pinus sp.
Pinus albicaulis	Pinus sabiniana
Pinus aristata	Pinus serotina
Pinus armandii	Pinus speciosa
Pinus ayacahuite	Pinus strobus
Pinus attenuata	Pinus sylvestris
Pinus banksiana	Pinus tabulaeformis
Pinus bungeana	Pinus taeda
Pinus caribaea	Pinus thunbergiana
Pinus cembra	Pinus torreyana
Pinus cembroides	Pinus tuberculata
Pinus cembriodes edulis	Pinus wallichiana
Pinus chihvahvana ?sp	Pinguicula vulgaris
Pinus clausa	Pisum arvense
Pinus contorta	Pisum arvense var. gaudratum
Pinus coulteri	Pisum elatius
Pinus cristata	Pisum sativum
Pinus densiflora	Pisum sativum field pea
Pinus divaricata	Pisum sativum Japanese green pea
Pinus echinata	Pisum sativum spp. transcaucasicum
Pinus edulis	Pisum sativum English green pea
Pinus elliotii	Plantago arborescens ssp. maderensis
Pinus excelsa	Plantago coronopus
Pinus flexilis	Plantago eriopoda
Pinus ginosa	Plantago juncoides decipiens
Pinus halepensis	Plantago leiopetala
Pinus heldreichii leucodermis	Plantago subspathulata
Pinus jeffreyi	Platanus acerifolia London England
Pinus koreana	Platycyrium alicorn majus
Pinus koraiensis	Plumerea acutifolia Apocynaceae Karl
Pinus laiusberteave	Wimmi
Pinus lambertiana	Plumaria rubra Karl Wimmi
Pinus lesinosa	Poa glauca John Riley arctic flora
Pinus leucodermis	Poa alpina John Riley arctic flora
Pinus monophylla	Poa nemoralis
Pinus mariana	Poa palustris
Pinus monticola	Poa pratensis
Pinus mugho mugans	Polemonium sp.

Polemonium carvelum John Riley artic flora	Pyrus communis
Polystichum virginianum	Puellia makoyana
Polygonum amphibium stipulaceum	Pulcheris sudetica John Riley artic flora
Polygonum cilinode	Pyrola grandiflora John Riley artic flora
Polygonum cuspidatum	Pyrola grandiflora / Salix reticulata John Riley artic flora
Polygonum hydropiper	Quercus alba
Polygonum lepathifolium John Riley artic flora	Quercus bicolor
Polygonum pensylvanicum	Quercus borealis
Polygonum punctatum parvum	Quercus borealus var. maxima
Polygonum sachalinense	Quercus chrysolepsis
Polygonum sagittatum	Quercus ellipsoidalis
Polygonum lapathifolium	Quercus phellos
Populus deltoides	Quercus kelloggii
Populus trichocarpa	Quercus lobata
Populus balsamifera John Narroway	Quercus palustris
Potentilla fruiticosa John Riley artic flora	Quercus prinoides
Potentilla anserina John Riley artic flora	Quercus rubra
Potentilla tridentata John Riley artic flora	Quercus virginiana
Potentilla palustris	Quercus velutina
Potentilla pentandra	Quercus wislizenii
Potentilla parvifolia gold finger	Ranunculus amplexicaulis
Potentilla nivallis	Ranunculus arvensis
Portulaca denticulata	Ranunculus caldshuanicus
Potentilla arguta	Ranunculus dentatus
Potentilla atosanguinea	Ranunculus gramineus ssp. phoenicifolius
Potentilla fruiticosa	Ranunculus innatisectus
Potentilla fruiticosa var. vilmoriniana	Ranunculus lappaceus
Potentilla glandulosa	Ranunculus leptozzhynchus
Potentilla palustris	Ranunculus orthorhynchus
Primula halleri	Ranunculus platanifolius
Primula luteola	Ranunculus polyanthemos
Primula Kewinsis Karl Wimmi	Ranunculus praemorsus
Primula polyantha cv pacific giant Karl Wimmi	Ranunculus scleratus
Primula polyantha	Ranunculus tenuilobus
Primula floribunda	Raphanus sativus turnip flower radish
Primula saxitalis	Raphanus sativus scarlet globe radish
Prunus virginiana mission red	Raphanus sativus crimson grand radish
Prunus laurocerasus	Rhamnus alnifolia
Prunus lusitanica	Rhamnus caroliniana
Prunus pumilla var depressa	Rhamnus cathartica
Prunus virginiana Boughen yellow	Rhamnus catharticus
Prunus virginiana copper schubert	Rhamnus frangula
Pseudolarix amabilis	Ruellia humilis
Pseudotsuga macrocarpa	Rhipsalis cassutha
Pseudotsuga menziesii glauca	Rhipsalis houlettiana
Pseudotsuga menziesii	Rhipsalis micrantha
Pseudotsuga mucronata	Rhipsalis neves-armondi
Prosopis juliflora leguminosaceae Karl Wimmi	Rhipsalis purpusii
Prunus amygdalus	Rhipsalis puniceodiscus
Psilotum nudum	Rhipsalis tucumanensis
Pteris argyrea	Rhododendron callimorphum
Pterocarpa fraxinifolia	Rhododendron calostrotum
	Rhododendron citrinifolium

Rhododendron davidsonium
Rhododendron decorum
Rhododendron desquamatum
Rhododendron prinophyllum
Rhododendron vaseyi roseum
Rhoeo discolor
Rhus capallina
Rhus sabiniana
Rhyncospora fusca
Ribes sanguineum
Robinia pseudoacacia
Rosa rouseauorum
Rosa acicularis burgeauiana
Rosa setigera
Rubus allegheniensis
Rubus chamaemorus
Rubus hispidus
Rubus ideaus canadensis
Rubus ordatus
Rubus victorinii
Rudbeckia fulgida roseum
Rudbeckia hirta
Rudbeckia nitida
Rudbeckia triloba
Ruellia ciliosa
Rumex acetosella
Rumex crispus
Rumex longifolius
Rumex obtusifolius
Rumex pallidus
Rumex verticillatus
Sabatia kenneryana
Salix serissima
Salsona kali
Salvia fireball
Salvia hians
Salvia lyrata
Salvia St. John's fire
Salvia splendens
Salvia splendens scarlet sage
Sambucus aurea
Sanicula trifoliata
Sanvitalia gold braid
Saxifraga decipens
Saxifraga paniculata
Saxifraga virginensis
Scabiosa caucasica pincushion flower
Scabiosa caucasica mourning bride
Schizachyrium gerardii
Schizachyrium scorpius (Andropogon)
Sciadopitys verticillata
Scilla japonica
Scirpus americanus
Scirpus atrocinctus

Scirpus hattorianus
Scirpus hudsonianus
Scirpus lacustris validus
Scirpus maitimus var. paludosus
Scirpus Microcarpus ssp. rubrotinctus
Seteria glauca
Seteria viridis
Sequoia sempervirens
Sequoiadendron giganteum
Serratula tinctoria
Sesamum indicum
Shefflera actinophylla
Sicyos angulatus
Silene acaulis
Silene alpestris
Silene bellidifolia
Silene ciliata
Silene compacta
Silene dioica
Silene hayekiana
Silene italica
Silene keiskei minor
Silene latifolia
Silene quadrifida
Silene noctiflora white cockle
Silene nutans
Silene otites
Silene shafta
Silene virginica
Silene viridifolia
Silybum marianum
Sium suave
Sisyrinchium mucronatum
Smilax herbacea
Smilax hispida
Solanum aviculare
Solanum Christmas cherries
Solanum citrullifolium
Solanum cornutum
Solanum marginatum
Solanum megacarpum
Solanum melanocerasium
Solanum melongena
Solanum nemoralis
Solanum nigrum var. guineense
Solanum quitoense
Solanum sodomaeum
Solidago altissima
Solidago bicolor
Solidago caesia
Solidago flexicaulis
Solidago gigantea
Solidago glomerata
Solidago graminifolia

Solidago randii
Solidago randii
Solidago juncea
Solidago nemoralis
Solidago odora
Solidago puberula
Solidago rigida
Solidago rugosa
Solidago sempervirens
Solidago squarrosa
Solidago speciosa
Solidago uliginosa
Solidago virgaurea
Solidago virgaurea minuta
Sorbus americana
Sorbus sp. golden mtn ash
Sorbus aucuparia
Spinacia oleracea
Sparganium eurycarpum
Spergula sp.
Staphylea trifolia
Stylophorum diphyllum
Stenanthium graminium robustum
Swertia kingii
Sysirichium mucronatum
Tagetes Boy Scout marigold
Talinum calycinum
Tamarix parviflora
Taxodium sp.
Taxodium distichum
Taxus baccata
Taxus baccata stricta
Taxus brevifolia
Taxus cuspidata
Tellima grandiflora
Thalictrum alpinum
Thalictrum dipterocarpum
Thalictrum foetidum
Thalictrum minus
Thelypteris hexagonoptera
Thelypteris noveboracensis
Thelypteris palustris
Thelypteris phegopteris
Thelypteris simulata
Thuja occidentalis
Thuja placata
Thujopsis dolabrata
Tilia tomentosa
Tofieldia glutinosa
Torenia fournieri
Tricyrtis hirta
Triglochin martima
Trollius laxus
Triodanus perfoliata

Tritoma semperflorens
Tsuga canadensis
Tsuga domosa
Tsuga heterophylla
Tsuga mertensiana
Typha latifolia

Ulmus americana
Ulmus campestris
Ulmus montana
Uvularia grandiflora
Uvularia perfoliata
Uvularia sessifolia variegata

Vaccinium macrocarpon
Vancouveria hexandra
Veltheimia viridifolia
Veratrum viride
Verbascum nigrum
Verbascum phlomoides
Veronicastrum virginicum
Vernonia noveboracensis
Viburnum acerifolium
Viburnum dentatum
Viburnum lentago
Viburnum pauciflorum
Viburnum prunifolium
Viburnum recognitum
Viburnum trilobum
Vicia faba
Vinca rosea
Viola striata
Viola pubescens
Woodsia obtusa
Woodwardia areolata
Xerophyllum asphodeloides

Zea mays golden queen white corn
 Zea mays silver queen corn
 Zea mays white sweet corn
 Zea mays golden cross corn
 Zea mays yellow dent corn
 Zea mays plain truckers corn
 Zea mays golden sweet bantom corn
 Zenobia pulverulenta
 Zinnia elegans state fair
 Zinnia elegans classic
 Zinnia elegans gold medal
 Zinnia scarlet ruffles
 Zinnia grandiflora
 Zinnia lilliput mix
 Zizia aptera
 Zizia sp
 Zygadenus glaucus



**Royal Botanical Gardens Seed Collection,
Hamilton Ontario on Wikipedia.org**

Royal Botanical Gardens Hamilton, Ontario Canada

Herbarium and Seed donations in the 1980's from Windfield Herbarium Horticultural Photographic Collection (renamed Windfield Photographic Collection and Archives 2007)

Seed Collections from Agriculture Canada 1911, Prof. White & Prof. E.J. Zavitz et al.: (M. Erickson 1911; J.H.M. 1913; M. Ardene 1953; H.R.G. 1914; Prof. Dwight 1955; W.L. Jackson 1904; C. Underwood 1911; H.R. Christie 1911; Rev. C. Goodison 1927; George Simpson 1938; N.M. Lewis 1914; W.J. mound 1937; Mr. MacGregor 1923; L.S. Smith; Tamsalu 1956; J. Quaite; W.R. MacToon 1913; F. & I. Vrugtman 1969) & University of Toronto Forestry Department circa early to mid 1900's; University of Toronto Seed Exchange via E.P Taylor Windfields Estate greenhouse 1974-1978, various Canadian Botanical Gardens, private collections and seed collecting done by Wayne Ray from 1970-1982.

Abies amabilis	Acer maximow
Abies balsamea	Acer negundo ashleaf maple
Abies firma	Acer pensylvanicum
Abies fraseri	Acer pseudoplatanus
Abies grandis	Acer rubrum
Abies homolepsis brachyphylla	Acer saccharum rugelii
Abies lasiocarpa	Acer spicatum
Abies nobilis	Acanthopanax sessiliflorus
Abies pinsapo	Aconitum sp.
Abies sachalineous	Aconitum lycoctomum
Abies shastensis	Aconitum napellus
Abies venusta	Aconitum pyramidale
Acer campestre	Aconitum septentrionale
Acer circinatum	Aconitum vulparia
Acer macrophyllum	Aquilegia atrata

Aquilegia chrysantha
Aquilegia flabellata
Aquilegia vulgaris
Actea pachypoda
Actea pachypoda rubricarpa
Actaea rubea
Adenophora lilifolia
Adiantum pedatum
Aesculus octandra
Aesculus parviflora
Aesculus pavia
Agathis australis
Agathis australis titrangi
Agathis robusta
Agastache foeniculum
Ageratum houstonianum
Agrimonia gryposepala
Agrimonia striata
Ailanthus altissima
Alisma gramineum
Alisma triviale
Alyssum condensatum
Alyssum markgraffi
Alyssum montanum
Alyssum oriental night
Alyssum wulfenianum
Alliaria officinalis
Allium angulosum
Allium cerum
Allium pulchellum
Alloplectus ambiguus
Alloplectus capitatus
Alloplectus speciosus
Alnus crispa
Alnus crispa var. molis
Alnus hirsuta-tinctoria
Alnus incana
Alnus rubra
Alnus rugosa
Alyssum carpet of snow
Amaranthus tricolor
Amelanchier laevis
Amelanchier sanguinea
Amorpha fruticosa
Ampelopsis heterophylla
Amphicarpa bracteata
Amsonia tabernaemontana
Anemone virginiana
Angelica atropurpurea
Annuum sp. early niagara giant pepper
Antemaria alpina
Antennaria canadensis
Antennaria neodioica
Antennaria petaloidea

Antirrhinum sp. pinnacle mix
Apium graveolens var. dulce
Aquilegia brevistyla
Aquilegia alpina
Aquilegia atrata
Aquilegia brevistyla
Aquilegia caevula
Aquilegia chrysantha
Aquilegia einseleana
Aquilegia flabellata
Aquilegia flabellara var. pumila
Aqueligia formosa
Aqueligia hybrida
Aqueligia longissima
Aqueligia nevadensis
Aquelegia vulgaris
Aralia hispida
Aralia racemosa
Araucaria excelsa
Arctostaphylos columbiana
Arctostaphylos uva-ursi
Armeria juncea
Armeria pseudoarmerea
Artemisia absinthium
Aruncus diocus
Asarum canadensis
Asclepias sp.
Asclepias curassavica
Asclepias incarnata
Asparagus sprangeri
Asperula odorata
Aster sp choice mix
Aster accuminatus
Aster brachyactis
Aster cordifolius
Aster divericatus
Aster laevis
Aster lateriflorus
Aster linariifolius
Aster linariflorus
Aster nemoralis
Aster novae-angliae
Aster patens
Aster patens v. phlogifolius
Aster pinnochio
Aster prenanthoides
Aster puniceus
Aster simplex
Aster simplex ramusissimus
Aster spectabilis
Aster tradescanti
Aster umbellatus
Astragalus canadensis
Athrotaxis cupressiodes

Athrotaxis laxifolia	Campanula kemulariae
Athyrium felix-femina	Campanula rapunculoides
Athyrium goeringianum	Campanula rotundifolia
Atriplex linariifolius	Campanula sarmatica
Atriplex patula hastata	Campanula thessala
Athyrium felix-femina cristata	Campsis radicans
Araucaria imbricata	Canna warszewiczii
Avonia melanocarpa	Capsicum annuum long pepper
Baptisia australis	Caragana gerardiana
Baptisia tintoria	Carex sp.
Begonia sp.	Carex crinata
Begonia pink comet	Carex debilis var. rudgei
Berberis green	Carex grayii
Bergenia pacifica	Carex hormatodes
Bergenia purpusascens	Carex houghtonii
Bergenia stracheyi	Carex intumescens
Beta vulgaris var. florescens	Carex lasiocarpa var. americana
Beta vulgaris gold tankard bet	Carex lurida
Beta vulgaris crimson globe beet	Carex oligosperma
Betula alleghaniensis	Carex paleacea
Betula caerulea	Carex pauciflora
Betula lutea	Carex paupercula
Betula occidentalis	Carex plantaginea
Betula papyrifera	Carex projecta
Betula papyrifera var. resinifera	Carex retrorsa
Betula populifolia	Carex rostrata
Bidens frondosa	Carex scoparia
Boehmeria cylindrica	Carex trisperma
Brachychiton acerifolium	Carex wizaandii
Brassica oleracea	Carya sp.
Brassica oleracea Brussel sprouts	Carya cordiformis
Brassica oleracea early Jersey Wakefield	Carya glabra
cabbage	Carya lacinosa
Brassica oleracea Cabbaga all head early	Castanosperum australe black wax bean
Brassica oleracea jadecross brussel sprouts	Casuarina stricta
Brassica oleracea marvel cabbage	Catalpa speciosa
Brassica rapa	Caulophyllum thalictroides
Brassica rapa sweet turnip	Cedrus sp.
Briza elatior	Cedrus atlantica
Briza minor	Cedrus brevifolia
Bromus sp.	Cedrus deodara
Butomus umbellatus	Ceiba casaeria EP Taylor estate Bahamas
Calamagrostis canadensis	1975
Calamovilfa longifolia	Celastrus scandens
Calceolaria sp.	Celosia cristata
Calendula ball mix	Centaurea bella
Calla palustris	Centaurea cyanus
Caltha palustris	Centaurea dealbata
Camassia scilloides	Centaurea jacea
Campanula carpatica alba	Centaurea kernerana
Campanula carpatica turbinata	Centaurea macrocephala
Campanula cochlearifolia	Centaurea nigra
Campanula elatines v. garganica	Centaurea nigriceps
Campanula fragilis	Centaurea scabiosa

Centaurea sibirica
Centaurea pseudophrygia
Centaurea pulcherrima
Centaurea rupestris
Cephalanthus occidentalis
Cephalotaxus harringtonia
Cephalotaxus fortunei
Cercis canadensis
Cercocarpus montanus
Chamaecyparis nootkatensis
Chamaecyparis lawsoniana
Chamaecyparis thyoides
Cheiranthus sp.
Chelone glabra
Chelone lyonii
Chenopodium ambrosioides
Chimaphila umbellata
Chrysanthemum coronarium
Chrysanthemum ptarmicifolium
Chrysopsis mariana
Cichorium endivia
Cicuta bulbiflora
Cicuta maculata
Cimifuga racemosa
Cirsium vulgare
Clematis stans
Clematis viorna
Clematis virginiana
Cleome hasslerana
Clethra alnifolia
Coffea arabica
Coleus saber mixed
Columnea querceti
Columnea sanguinea
Columnea erythrophaea
Comandra livida
Consolida ambigua
Conza canadensis
Cornus sp.
Cornus amomum
Cornus florida
Cornus foemina racemosa
Cornus racemosa
Cornus florida
Corydalis lutea
Cosmos sp.
Cotoneaster affinis
Cotoneaster frigidus
Cotoneaster glaucophyllus metophyllus
Crataegus altaica
Cryptogramma stelleri
Cryptomeria japonica
Cucumis anguria
Cucumis sativus muncher burpless

Cucurbita maxima hubbard squash
Cucurbita pepo round globe gourd
Cunninghamia lanceolata
Cupressus macrocarpa
Cupressus lusitanica
Cupressus macrocarpa
Cupressus sempervirens
Cupressus arizonica
Cuscuta gronovii
Cyperus rivularis
Cystopteris bulbifera
Cystopteris bulbifera crispum
Dactylorhiza elata ssp. sesquipedalis
Dahlia sp. border jewels
Dahlia sp. early bird
Dahlia sp. exhibition dwarf
Dahlia sp. univius dwarf
Datura ceratocaula
Datura metel
Datura stramonium
Daucus carota var. sativus
Dennstaedta punctilobula
Desmodium canadense
Desmodium glutinosum
Dioscorea bulbifera domestica
Dioscorea persimilis
Dioscorea reticulata
Drosera capensis
Drosera rotundifolia
Drosera spathulata
Dianthus sp.
Dianthus sp. baby doll
Dianthus chinensis v. amurensis
Dianthus cyri
Dianthus deltoides
Dianthus furcatus
Dianthus gallicus
Dianthus graniticus
Dianthus knappi
Dianthus lumnizeri
Dianthus monspessulanus
Dianthus nardiformis
Dianthus nordiformis
Dianthus myrtinervius
Dianthus pavonius
Dianthus seguieri
Dianthus viscidus
Dicentra eximia
Dicentra eximia var. alba
Digitalis lutea
Dioscorea praehensilis ?sp
Diospyros virginiana
Diplazium acrostichoides
Diplazium pycnocarpon

Disporum lanuginosum
Draba verna
Dracocephalum ruyschiana
Dracocephalum grandiflorum
Dracocephalum tanguticum
Drosera filiformis
Dryopteris austriaca spinulosa
Dryopteris felix-mas
Dryopteris cristata
Dryopteris austriaca
Dryopteris cristata clintoniana
Dryopteris goldiana
Dryopteris marginalis
Echinocactus grusonii
Echinocystis lobata
Echinochloa crus-galli var Oryzicola
Echinochloa muricata
Echium vulgare
Edraianthus dalmaticus
Edraianthus tenuifolius
Edraianthus serbica
Eichornia crassipes
Elaeagnus umbellata
Eleocharis obtusa
Eleocharis quinqueflora
Eleocharis smalii
Elymus canadensis
Empetrum nigrum
Epilobium angustifolium
Epilobium coloratum
Epilobium hirsutum
Epilobium glandulosum
Epilobium latifolium
Epilobium strictum
Erica lusitanica
Erigeron ursinus
Eriophorum chamissonis
Eriophorum gracile
Eriophorum virginicum
Euonymus oxyphylla
Eupatorium maculatum
Euphorbia characias
Euphorbia characias ssp. wulfenii
Euphorbia cyparissus
Euphorbia lathyris
Euphorbia marginata
Euphorbia palustris
Euphorbia platphyllus
Euphrasia canadensis
Euphorbia supina
Exacum tiddly winks
Fagus grandiflora
Fibigia clypeata
Filipendula rubra

Fragaria vesca var. americana
Fragaria virginiana
Fraxinus pennsylvanica
Fraxinus americana
Fraxinus excelsior
Fraxinus nigra
Gentiana alba
Gentiana andrewsii
Gentiana asclepiadea
Gentiana burseri
Gentiana crinata
Gentiana cruciata
Gentiana cruciata ssp. phlogifolia
Gentiana dahurica
Gentiana dendrologi
Gentiana fetisowii
Gentiana linearis
Gentiana lutea
Geranium maculatum
Gentiana mutaiensis
Gentiana procera
Geranium robertianum
Gentiana septemfida
Gentiana septemfida latifolia
Gentiana tianschanica
Gentiana triflora var. japonica
Gentiana wutaiensis
Globularia meridionalis
Gerardia paupercula
Geum allepicum
Geum triflorum
Glabra sp.
Globularia cordifolia
Glycine max Manchurian soy bean
Gossypium arboreum
Gratiola neglecta
Gymnocladus dioicus
Hamamelis intermedia
Hamamelis japonica
Hebe odora
Hebe salicifolia
Hepatica acutiloba
Heracleum maximum
Heracleum mantegazzianum
Heuchera americana
Hibiscus moscheutos
Hibiscus militaris
Hieracium scabrum
Hierochloa odorata
Holodiscus discolor
Houstonia purpurea
Hydrangea arborescens
Hypericum olypicum
Hyssopus officianalis
Hystrix patula

Iberis sp.
Ilex aquifolium
Ilex glabra
Ilex opaca
Ilex verticillata
Iris chrysographes
Iris delavayi
Iris dichotoma
Iris douglasiana
Iris ensata var spontanea
Iris foetidissima
Iris hookeri
Iris laevigata
Iris pseudacorus
Iris sanguinea
Iris setosa
Iris setosa var. canadensis
Iris sikkimensis
Iris versicolor murrayana
Isatis tinctoria
Juglans regia
Juglans sieboldiana
Juniperus horizontalis
Juniperus osteosperma
Juniperus occidentalis
Juniperus rigida
Juniperus scopulorum
Juniperus virginiana
Juncus alpinus
Juncus bufonius
Juncus brevicaudatus
Juncus canadensis
Juncus effusus var. decipiens
Juncus filiformis
Juncus nodosus
Juncus tenuis
Kalanchoe petitiiana
Kalanchoe rosei
Kalmia augustifolia
Kalmia polifolia
Laburnum alpinum
Laburnum anagyrioides
Lactuca sp. butter crunch lettuce
Lactuca scariola
Lactuca sativa early great lakes lettuce
Lactuca sativa grand rapids lettuce
Lactuca tatarica pulchjella
Laportea moroides
Lappula myosotis
Larix gmelina oldensisLarix larcina
Larix japonica
Larix kaempferi
Larix laricina
Larix leptolepis

Lathyrus japonicus glaber
Lathyrus japonicus ssp. maritimus
Lathyrus latifolius
Lathyrus niger
Lathyrus nissolia
Lathyrus pratensis
Lathyrus sylvestris
Lathyrus vernus
Lavatera arborea
Lavatera trimestris
Lazula multiflora
Leonurus cardiaca
Lepidium sativum
Lepidium sp. common pepper grass
Leucothea racemosa
Liatris aspera
Liatris punctata
Liatris pychnostachya
Liatris regiomontis
Liatris spicata albiflora
Liatris pychnostachya alba
Ligularia dentata
Ligularia glauca
Ligularia sibirica
Ligularia speciosa
Ligularia wilsoniana
Linaria vulgaris
Liquidamber styraciflua
Lilium davidii willmottiae
Lilium michiginense
Lilium superbum
Lindera benzoin
Linum alpinum
Linum perenne lewisii
Linum rigidum
Linum usutatisum
Liriodendron tulipifera
Lithospermum niderale
Lobelia blue butterfly
Lobelia cardinalis
Lobelia cardinalis alba
Lobelia cardinalis var. graminifolius
Lobelia heavenly
Lobelia siphilitica
Lobelia siphilitica f. albiflora
Lobelia syphilitica alba
Lobularia martima sweet allysum
Lobularia martima royal carpet
Lolium sp.
Lonicera doioca
Lonicera korolkowii zabelii
Lonicera sempervirens
Lonicera tatarica
Lotus scoparius deudroideus

Lupinus albifrons var. collinus	Myrica pensylvanica
Lupinus arboreus	Myrrhis odrata
Lupinus arctiaia	Nepeta cataria
Lupinus densiflorus aureus	Nepeta pannonica
Lupinus nanus	Nepeta tuberosa
Lupinus nootkatensis	Nicotiana sp. dwarf
Lupinus polyphyllus	Nicotiana rustica
Luzula multiflora	Nyssa sylvatica
Luzula nivea	Oenothera bienis
Luzula wahlenbergii	Oenothera odorata
Lychnis alpina rosea	Oenothera pallida
Lychnis arkwrightii	Omphalodes linifolia
Lychnis atropurpurea	Oncoclea sensibilis
Lychnis chalcidonica	Oncoclea sensibilis sensitive fern
Lychnis chalcidonica rosea	Oryzopsis hymeniodes
Lychnis coronaria	Osmunda cinnamomea
Lychnis flos-cuculi	Osmundia claytoniana
Lychnis flos-jovis	Osmunda regalis spectabilis
Lychnis preslii	Ostrya virginiana
Lychnis viscaria	Panax quinquefolius
Lychnis yunnanensis	Papaver alpinum
Lycopersicon esculentum Tomato sugar	Papaver kluense
Lycopersicon esculentum Tomato starfire	Papaver miyabeanum
Lycopersicon lycopersicon early girl	Papaver nudicaule
tomatoe	Papaver orientale
Lycopodium annotinum	Paulownia imperialis
Lycopodium clavatum	Paulownia tomentosa
Lycopodium inundatum	Penstemon digitalis
Lycopodium flabelliforme	Penstemon hirsutus
Lycopodium lucidulum	Penstemon hirsutus pygmeus
Lycopodium obscurum	Penstemon laevigatus
Lycopersicon pimpinellifolium	Penstemon nitidus
Lycopodium sabinaefolium	Penstemon procarus
Lycopodium tristachyum	Penstemon rydbergii
Lygodium palmatum	Penstemon serrulatus
Lyonia mariana	Penthorum sedoides
Madia sativa	Petroselinum crispum
Magnolia acuminate	Phacelia heterophylla
Magnolia virginiana	Phaseolus aureus
Malus sylvestris	Phaseolus lunatus japanese short cranberry bean
Malva alcea	Phaseolus lunatus Japanese large butter bean
Malva moschata	Phaseolus lunatus Japanese round cranberry bean
Malva neglecta	Phaseolus lunatus Japanese medium butter bean
Malva sylvestris	Phaseolus lunatus Japanese red bean
Matricaria capensis	Phaseolus lunatus Mary bean
Matteuccia pensylvanica	Phaseolus mungo
Medicago sativa turkish alfalfa	Phaseolus vulgaris white kidney bean
Melampyrum lineare	Phaseolus vulgaris white pea bean
Menziesia pilosa	Phaseolus vulgaris Refugee bean
Mimulus ringens	Phaseolus vulgaris California pink bean
Mirabilis jalapa	Phaseolus vulgaris California blackeye bean
Monochloria hastata	
Monarda punctata	
Morrubium vulgare	

Phaseolus vulgaris California cranberry bean
Phaseolus vulgaris California small white bean
Phaseolus vulgaris California white bean
Phaseolus vulgaris Detroit wax bean
Phaseolus vulgaris flagelet bean
Phaseolus vulgaris French kidney bean
Phaseolus vulgaris golden wax bean
Phaseolus vulgaris Japanese speckled banjo bean
Phaseolus vulgaris Mexican wax bean
Phellodendron amureuse
Phellodendron chinense
Phellodendron lavallei
Phellodendron sachalinense
Phleum pratense
Physalis pruinosa
Phyllitis scolopendrium
Phleum sp.
Phlomis alpina
Photonion villosa
Phyteuma michelii
Phyteuma nigrum
Phyteuma sieberi
Phytolacca americana
Picea abies
Picea abies-excelsa
Picea alouquiana bicolor
Picea brewerana
Picea canadensis
Picea engelmanni
Picea glauca
Picea maria
Picea mariana
Picea obovata
Picea omorika
Picea orientalis
Picea pungens
Picea rubens
Picea spinulosa
Picea sitchensis
Pimenta dioica all spice
Pinus albicaulis
Pinus armandii
Pinus ayacahuite
Pinus attenuata
Pinus banksiana
Pinus bungeana
Pinus caribaea
Pinus cembra
Pinus cembroides
Pinus cembroides edulis
Pinus chihvahvana ?sp
Pinus clausa

Pinus contorta
Pinus coulteri
Pinus cristata
Pinus densiflora
Pinus divaricata
Pinus echinata
Pinus edulis
Pinus elliotii
Pinus excelsa
Pinus flexilis
Pinus ginseng
Pinus halepensis
Pinus heldreichii leucodermis
Pinus jeffreyi
Pinus koreana
Pinus koraiensis
Pinus laisbertae
Pinus lambertiana
Pinus lesinosa
Pinus leucodermis
Pinus monophylla
Pinus mariana
Pinus monticola
Pinus nigra
Pinus nigra v. poiretiana
Pinus occidentalis
Pinus palustris
Pinus peuce
Pinus pinaster
Pinus pinea
Pinus ponderosa
Pinus pratensis
Pinus pumila
Pinus pungens
Pinus radiata
Pinus resinosa
Pinus rigida
Pinus roxburghii
Pinus sp.
Pinus sabiniana
Pinus serotina
Pinus speciosa
Pinus strobus
Pinus sylvestris
Pinus tabulaeformis
Pinus taeda
Pinus thunbergiana
Pinus torreyana
Pinus tuberculata
Pinus wallichiana
Pinguicula vulgaris
Pisum arvense
Pisum arvense var. gaudratum
Pisum elatius

Pisum sativum	Quercus borealus var. maxima
Pisum sativum field pea	Quercus chrysolepsis
Pisum sativum Japanese green pea	Quercus ellipsoidalis
Pisum sativum spp. transcaucasicum	Quercus phellos
Pisum sativum English green pea	Quercus kelloggii
Plantago arborescens ssp. maderensis	Quercus lobata
Plantago coronopus	Quercus palustris
Plantago eriopoda	Quercus prinoides
Plantago juncoides decipiens	Quercus rubra
Plantago leiopetala	Quercus virginiana
Plantago subspathulata	Quercus velutina
Poa nemoralis	Quercus wislizenii
Poa palustris	Ranunculus amplexicaulis
Poa pratensis	Ranunculus arvensis
Polemonium sp.	Ranunculus caldshuanicus
Polystichum virginianum	Ranunculus dentatus
Polygonum amphibium stipulaceum	Ranunculus gramineus ssp. phoenicifolius
Polygonum cilinode	Ranunculus innatisectus
Polygonum cuspidatum	Ranunculus lappaceus
Polygonum hydropiper	Ranunculus leptozzhynchus
Polygonum pensylvanicum	Ranunculus orthorhynchus
Polygonum punctatum parvum	Ranunculus platanifolius
Polygonum sachalinense	Ranunculus polyanthemos
Polygonum sagittatum	Ranunculus praemorsus
Polygonum lapathifolium	Ranunculus scleratus
Populus deltoides	Ranunculus tenuilobus
Populus trichocarpa	Raphanus sativus turnip flower radish
Portulaca denticulata	Raphanus sativus scarlet globe radish
Potentilla arguta	Raphanus sativus crimson grand radish
Potentilla atrosanguinea	Rhamnus alnifolia
Potentilla fruiticosa	Rhamnus caroliniana
Potentilla fruiticosa var. vilmoriniana	Rhamnus cathartica
Potentilla glandulosa	Rhamnus catharticus
Potentilla palustris	Rhamnus frangula
Primula halleri	Ruellia humilis
Primula luteola	Rhipsalis cassutha
Primula saxitalis	Rhipsalis houlettiana
Prunus virginiana mission red	Rhipsalis micrantha
Prunus laurocerasus	Rhipsalis neves-armondi
Prunus lusitanica	Rhipsalis purpusii
Prunus pumilla var depressa	Rhipsalis puniceodiscus
Prunus virginiana Boughen yellow	Rhipsalis tucumanensis
Prunus virginiana copper schubert	Rhododendron callimorphum
Pseudolarix amabilis	Rhododendron calostrotum
Pseudotsuga macrocarpa	Rhododendron citrinifolium
Pseudotsuga menziesii glauca	Rhododendron davidsonium
Pseudotsuga menziesii	Rhododendron decorum
Pseudotsuga mucronata	Rhododendron desquamatum
Pteris argyrea	Rhododendron prinophyllum
Pterocarpa fraxinifolia	Rhododendron vaseyi roseum
Pyrus communis	Rhoeo discolor
Quercus alba	Rhus capallina
Quercus bicolor	Rhus sabiniana
Quercus borealis	Rhyncospora fusca

Ribes sanguineum
Robinia pseudoacacia
Rosa rouseauiorum
Rosa acicularis burgeauiana
Rosa setigera
Rubus allegheniensis
Rubus chamaemorus
Rubus hispidus
Rubus ideaus canadensis
Rubus ordatus
Rubus victorinii
Rudbeckia fulgida roseum
Rudbeckia hirta
Rudbeckia nitida
Rudbeckia triloba
Ruellia ciliosa
Rumex acetosella
Rumex crispus
Rumex longifolius
Rumex obtusifolius
Rumex pallidus
Rumex verticillatus
Sabatia kenneryana
Salix serissima
Salsona kali
Salvia fireball
Salvia hians
Salvia lyrata
Salvia St. John's fire
Salvia splendens
Salvia splendens scarlet sage
Sambucus aurea
Sanicula trifoliata
Sanvitalia gold braid
Saxifraga decipens
Saxifraga paniculata
Saxifraga virginensis
Scabiosa caucasica pincushion flower
Scabiosa caucasica mourning bride
Schizachyrium gerardii
Schizachyrium scorpius (Andropogon)
Sciadopitys verticillata
Scilla japonica
Scirpus americanus
Scirpus atrocinctus
Scirpus hattorianus
Scirpus hudsonianus
Scirpus lacustris validus
Scirpus maitimus var. paludosus
Scirpus Microcarpus ssp. rubrotinctus
Seteria glauca
Seteria viridis
Sequoia sempervirens
Sequoiadendron giganteum

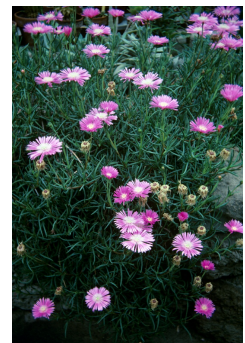
Serratula tinctoria
Sesamum indicum
Shefflera actinophylla
Sicyos angulatus
Silene acaulis
Silene alpestris
Silene bellidifolia
Silene ciliata
Silene compacta
Silene dioica
Silene hayekiana
Silene italica
Silene keiskei minor
Silene latifolia
Silene quadrifida
Silene noctiflora white cockle
Silene nutans
Silene otites
Silene shafta
Silene virginica
Silene viridifolia
Silybum marianum
Sium suave
Sisyrinchium mucronatum
Smilax herbacea
Smilax hispida
Solanum aviculare
Solanum Christmas cherries
Solanum citrullifolium
Solanum cornutum
Solanum marginatum
Solanum megacarpum
Solanum melanocerasium
Solanum melongena
Solanum nemoralis
Solanum nigrum var. guineense
Solanum quitoense
Solanum sodomaeum
Solidago altissima
Solidago bicolor
Solidago caesia
Solidago flexicaulis
Solidago gigantea
Solidago glomerata
Solidago graminifolia
Solidago randii
Solidago randii
Solidago juncea
Solidago nemoralis
Solidago odora
Solidago puberula
Solidago rigida
Solidago rugosa
Solidago sempervirens

Solidago squarrosa
 Solidago speciosa
 Solidago uliginosa
 Solidago virgaurea
 Solidago virgaurea minuta
 Sorbus americana
 Sorbus sp. golden mtn ash
 Sorbus aucuparia
 Spinacia oleracea
 Sparganium eurycarpum
 Spergula sp.
 Staphylea trifolia
 Stylophorum diphyllum
 Stenanthium graminium robustum
 Swertia kingii
 Sysirichium mucronatum
 Tagetes Boy Scout marigold
 Talinum calycinum
 Tamarix parviflora
 Taxodium sp.
 Taxodium distichum
 Taxus baccata
 Taxus baccata stricta
 Taxus brevifolia
 Taxus cuspidata
 Tellima grandiflora
 Thalictrum alpinum
 Thalictrum dipterocarpum
 Thalictrum foetidum
 Thalictrum minus
 Thelypteris hexagonoptera
 Thelypteris noveboracensis
 Thelypteris palustris
 Thelypteris phegopteris
 Thelypteris simulata
 Thuja occidentalis
 Thuja placata
 Thujopsis dolabrata
 Tilia tomentosa
 Tofieldia glutinosa
 Torenia fournieri
 Tricyrtis hirta
 Triglochin martima
 Trollius laxus
 Triodanus perfoliata
 Tritoma semperflorens
 Tsuga canadensis
 Tsuga domosa
 Tsuga heterophylla
 Tsuga mertensiana
 Typha latifolia

Ulmus americana

Ulmus campestris
 Ulmus montana
 Uvularia grandiflora
 Uvularia perfoliata
 Uvularia sessifolia variegata

 Vaccinium macrocarpon
 Vancouveria hexandra
 Veltheimia viridifolia
 Veratrum viride
 Verbascum nigrum
 Verbascum phlomoides
 Veronicastrum virginicum
 Vernonia noveboracensis
 Viburnum acerifolium
 Viburnum dentatum
 Viburnum lentago
 Viburnum pauciflorum
 Viburnum prunifolium
 Viburnum recognitum
 Viburnum trilobum
 Vicia faba
 Vinca rosea
 Viola striata
 Viola pubescens
 Woodsia obtusa
 Woodwardia areolata
 Xerophyllum asphodeloides
 Zea mays golden queen white corn
 Zea mays silver queen corn
 Zea mays white sweet corn
 Zea mays golden cross corn
 Zea mays yellow dent corn
 Zea mays plain truckers corn
 Zea mays golden sweet bantam corn
 Zenobia pulverulenta
 Zinnia elegans state fair
 Zinnia elegans classic
 Zinnia elegans gold medal
 Zinnia scarlet ruffles
 Zinnia grandiflora
 Zinnia lilliput mix
 Zizia aptera
 Zizia sp
 Zygadenus glaucus



Lampranthus spectabilis

Echinocereus fendleri

